

(Draft)

# Amended Guidance for Approval of Service Suppliers

(For External Opinion Inquiry)

Nov. 2022



## **- Main Amendments -**

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

● Reflected IACS UR Z17(Rev.17 July 2022)

**(1) Effective date : 1 July 2023**

(Date of which application for survey is submitted)

Present	Amendments	Reason
<p style="text-align: center;"><b>INTRODUCTION</b></p> <p>1. ~ 4. &lt;omitted&gt;</p> <p><b>5. Procedure for approval and certification</b></p> <p>(1) ~ (3) &lt;omitted&gt;</p> <p>(4) Certification is conditional on a “practical demonstration” of the performance of the specific service as well as satisfactory reporting being carried out. <u>At renewal audits, evidence of performance, verified by class Surveyor, since the previous audit is sufficient to satisfy this requirement. (2022)</u>  <u>&lt;Newly added&gt;</u></p> <p>Note : <u>practical demonstration (2022)</u>  <u>Practical demonstration, including satisfactory reporting, shall be carried out at the presence of society’s surveyor to verify that the supplier provides adequate service competence specified in the documentations submitted.</u>  <u>However, in case of renewal audit, a part or the whole of it may be dispensed with subject to confirm the evidence of performance verified by class surveyor.</u>  <u>In case that the service supplier which have various scope of services(Example : NDT COMPANY(MT, PT, UT, RT)), the individual practical demonstration shall be conducted for each scope of services which are to be approved, and the service report for them shall be written</u>  <u>The assigned surveyor submits the following data as a result of practical demonstration to survey team with a copy of the checklist, non-conformity report.</u></p>	<p style="text-align: center;"><b>INTRODUCTION</b></p> <p><b>1. ~ 4. &lt;Same as the current Guidance&gt;</b></p> <p><b>5. Procedure for approval and certification</b></p> <p>(1) ~ (3) &lt;sane as the current Guidance&gt;</p> <p>(4) Certification is conditional on a “practical demonstration” of the performance of the specific service as well as satisfactory reporting being carried out. <del>At renewal audits, evidence of performance, verified by class Surveyor, since the previous audit is sufficient to satisfy this requirement.</del> <u>At initial audits, when the service supplier is already certified by other QSCS certified Society according to the provision of this Guidance(or UR Z17), this may be verified through documentary review that a practical demonstration has already been carried out. At renewal audits, verification by documentary review of jobs undertaken since the previous audit and that have been accepted by a QSCS certified Society is acceptable and is sufficient to satisfy this requirement. (2023)</u></p> <p>Note : <u>practical demonstration (2022)</u>  <u>Practical demonstration, including satisfactory reporting, shall be carried out at the presence of society’s surveyor to verify that the supplier provides adequate service competence specified in the documentations submitted.</u>  <u>However, in case of renewal audit, a part or the whole of it may be dispensed with subject to confirm the evidence of performance verified by class surveyor.</u>  <u>In case that the service supplier which have various scope of services(Example : NDT COMPANY(MT, PT, UT, RT)), the individual practical demonstration shall be conducted for each scope of services which are to be approved, and the service report for them shall be written</u>  <u>The assigned surveyor submits the following data as a result of practical demonstration to survey team with a copy of the checklist, non-conformity report.</u></p>	<p>– Reflected 4.1.1 of IACS Z17 (Rev.17 July 2022)</p> <p>– Opinion of the Survey Team : The current Note are requirements not in Z17, but the Team hopes to keep them without deleting.</p>

Present	Amendments	Reason
<p>(a) <u>Initial audit : Pictorial data(a photo or a movie), A sample of service report</u>  <u>In case of initial audit, if it is difficult to carry out the practical demonstration, a result of practical demonstration verified by IACS members, which was verified its conformity to QSCS, may be accepted. Furthermore, if the company used to be approved by KR, the practical demonstration may be exempted based on the evidences which are required in renewal audit.</u></p> <p><u>When a result of practical demonstration verified by IACS members is not confirmed at the initial audit for firm engaged in thickness measurement on ships or mobile offshore unit, the practical demonstration shall be conducted onboard KR classed vessel.</u></p> <p>(b) <u>Renewal audit : A copy of the latest previous servicereport which was provided to KR classed vessel within recent 3 years</u>  <u>In case of renewal audit, if the service report does not exists due to the service supplier has provided no services, the assigned surveyor accepts the service report verified by IACS members, which was verified its conformity to QSCS, or requires the service supplier a practical demonstration and submits the data in (a)of the above to survey team and keep the original data in the branch office.</u></p> <p>⟨omitted⟩</p>	<p>(a) Initial audit : Pictorial data(a photo or a movie), A sample of service report  In case of initial audit, if it is difficult to carry out the practical demonstration, a result of practical demonstration verified by IACS members, which was verified its conformity to QSCS, may be accepted. Furthermore, if the company used to be approved by KR, the practical demonstration may be exempted based on the evidences which are required in renewal audit.</p> <p>When a result of practical demonstration verified by IACS members is not confirmed at the initial audit for firm engaged in thickness measurement on ships or mobile offshore unit, the practical demonstration shall be conducted onboard KR classed vessel.</p> <p>(b) Renewal audit : A copy of the latest previous servicereport which was provided to KR classed vessel within recent 3 years  In case of renewal audit, if the service report does not exists due to the service supplier has provided no services, the assigned surveyor accepts the service report verified by IACS members, which was verified its conformity to QSCS, or requires the service supplier a practical demonstration and submits the data in (a)of the above to survey team and keep the original data in the branch office.</p>	<p>– Opinion of the Survey Team  : The current Note are requirements not in Z17, but the Team hopes to keep them without deleting.</p>

Present	Amendments	Reason
<p><b>Appendix Part A – Approval of Service Suppliers listed in IACS UR Z17</b></p> <p>1. ~ 3. &lt;omitted&gt;</p> <p>4. Firms engaged in inspection and maintenance of fire extinguishing equipment &amp; systems and self contained breathing apparatus</p> <p>4.1 Firms engaged in inspection and maintenance of fire extinguishing equipment and systems(Z17 Annex 1-4)</p> <p>4.1.1 ~ 4.1.3 &lt;omitted&gt;</p> <p>4.1.4 Reference Documents The Service Supplier is to have access to the following documents:</p> <p>(1) ~ (2) &lt;omitted&gt;</p> <p>(3) <b>SOLAS, MSC.1/Circular.1318</b>(Guidelines for the Maintenance and Inspections of Fixed Carbon Dioxide Fire-Extinguishing Systems), International Code for <b>FSS Code, ISO 6406</b> (Periodic inspection and testing of seamless steel gas cylinders), and any documentation specified in the authorization or license from the equipment manufacturer</p> <p>(4) ~ (5) &lt;omitted&gt;</p> <p>(6) <b>MSC/Circ.799</b>(Guidelines for the Performance and Testing Criteria and Surveys of Expansion Foam Concentrates for fixed Fire-Extinguishing Systems of Chemical Tankers)</p> <p>(7) <b>MSC.1/Circ.1312</b>(Revised Guidelines for the Performance and Testing Criteria and Surveys of Foam Concentrates for fixed Fire-Extinguishing Systems as corrected by <b>MSC/Circ.1312/Corr.1</b>)</p> <p>(8) <b>MSC.1/Circ.1432</b>(Revised Guidelines for the maintenance and Inspection of Fire Protection Systems and <u>Appliances</u>)</p> <p>(9) ~ (11) &lt;omitted&gt;</p>	<p><b>Appendix Part A – Approval of Service Suppliers listed in IACS UR Z17</b></p> <p>1. ~ 3. &lt;sama as the current Guidance&gt;</p> <p>4. Firms engaged in inspection and maintenance of fire extinguishing equipment &amp; systems and self contained breathing apparatus</p> <p>4.1 Firms engaged in inspection and maintenance of fire extinguishing equipment and systems(Z17 Annex 1-4)</p> <p>4.1.1 ~ 4.1.3 &lt;same as the current Guidance&gt;</p> <p>4.1.4 Reference Documents The Service Supplier is to have access to the following documents: <u>(2023)</u></p> <p>(1) ~ (2) &lt;same as the current Guidance&gt;</p> <p>(3) <b>SOLAS, MSC.1/Circular.1318/Rev.1(Revised)</b> Guidelines for the Maintenance and Inspections of Fixed Carbon Dioxide Fire-Extinguishing Systems), International Code for <b>FSS Code, ISO 6406</b> (Periodic inspection and testing of seamless steel gas cylinders), and any documentation specified in the authorization or license from the equipment manufacturer <u>(2023)</u></p> <p>(4) ~ (5) &lt;same as the current Guidance&gt;</p> <p>(6) <del>MSC/Circ.799</del>(Guidelines for the Performance and Testing Criteria and Surveys of Expansion Foam Concentrates for fixed Fire-Extinguishing Systems of Chemical Tankers)</p> <p><u>(6)</u> (7) <b>MSC.1/Circ.1312</b>(Revised Guidelines for the Performance and Testing Criteria and Surveys of Foam Concentrates for fixed Fire-Extinguishing Systems as corrected by <b>MSC/Circ.1312/Corr.1</b>)</p> <p><u>(7)</u> (8) <b>MSC.1/Circ.1432</b>(Revised Guidelines for the maintenance and Inspection of Fire Protection Systems and Appliances), <u>as amended by MSC.1/Circ.1516) (2023)</u></p> <p><u>(8)</u> (9) ~ <u>(10)</u> (11) &lt;same as the current Guidance&gt;</p>	<p>Reflected 4.4 of IACS Z17(Rev.17 July 2022)</p> <p>- adjusted no.</p> <p>- adjusted no.</p>

Present	Amendments	Reason
<p><b>5. Firms engaged in servicing life saving appliances</b></p> <p>5.1 Firms engaged in servicing inflatable liferafts, inflatable lifejackets, hydrostatic release units, <u>inflatable rescue boats</u>, marine evacuation systems(Z17 Annex 1-5)</p> <p>5.1.1 Extent of engagement</p> <p>(1) Servicing of inflatable liferafts, inflatable lifejackets, hydrostatic release units <u>and/or inflatable rescue boats</u></p> <p>(2) Servicing of marine evacuation systems</p> <p>5.1.2 ~ 5.1.4 &lt;omitted&gt;</p> <p>5.1.5 Reference Documents</p> <p>The Service Supplier is to have access to the following documents:</p> <p>(1) <b>IMO Res.A.761(18)</b> - Recommendation on Conditions for the Approval of Servicing Stations for Inflatable Liferafts - (adopted on 4 November 1993), amended by <b>Res. MSC.55(66)</b></p> <p>(2) <b>IMO Res. MSC.55(66)</b></p> <p>(3) <b>IMO MSC.1/Circ.1328</b> – Guidelines for the Approval of Inflatable Liferafts Subject to Extended Service Intervals Not Exceeding 30 Months</p> <p>(4) Manufacturer’s servicing manuals, servicing bulletins, instructions and training manuals, as appropriate</p> <p>(5) Type Approval certificates, showing any conditions that may be appropriate during the servicing and/or maintenance of inflatable liferafts, <u>inflatable rescue boats</u>, inflatable lifejackets, and hydrostatic release units</p> <p>(6) <b>LSA code/Chap.IV, 1995 SOLAS</b> Conference Resolution 4 regarding marine evacuation systems</p>	<p><b>5. Firms engaged in servicing life saving appliances</b></p> <p>5.1 Firms engaged in servicing inflatable liferafts, inflatable lifejackets, hydrostatic release units, <del>inflatable rescue boats</del>, marine evacuation systems(Z17 Annex 1-5) <u>(2023)</u></p> <p>5.1.1 Extent of engagement</p> <p>(1) Servicing of inflatable liferafts, inflatable lifejackets, hydrostatic release units <u>and/or inflatable rescue boats</u> <u>(2023)</u></p> <p>(2) Servicing of marine evacuation systems</p> <p>5.1.2 ~ 5.1.4 &lt;same as the current Guidance&gt;</p> <p>5.1.5 Reference Documents</p> <p>The Service Supplier is to have access to the following documents:</p> <p>(1) <b>IMO Res.A.761(18)</b> - Recommendation on Conditions for the Approval of Servicing Stations for Inflatable Liferafts - (adopted on 4 November 1993), amended by <b>Res. MSC.55(66)</b></p> <p>(2) <b>IMO Res. MSC.55(66)</b></p> <p>(3) <b>IMO MSC.1/Circ.1328</b> – Guidelines for the Approval of Inflatable Liferafts Subject to Extended Service Intervals Not Exceeding 30 Months</p> <p>(4) Manufacturer’s servicing manuals, servicing bulletins, instructions and training manuals, as appropriate</p> <p>(5) Type Approval certificates, showing any conditions that may be appropriate during the servicing and/or maintenance of inflatable liferafts, <del>inflatable rescue boats</del>, inflatable lifejackets, and hydrostatic release units <u>(2023)</u></p> <p>(6) <b>LSA code/Chap.IV, 1995 SOLAS</b> Conference Resolution 4 regarding marine evacuation systems</p>	<p>– Reflected Annex-1, 5 of IACS Z17 (Rev.17 July 2022)</p> <p>– Reflected Annex-1, 5.1 of IACS Z17(Rev.17 July 2022)</p> <p>– Reflected Annex-1, 5.5 of IACS Z17(Rev.17 July 2022)</p>

Present	Amendments	Reason
<p>5.2. Firms engaged in maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear (Z17 Annex 1-13) (2020)</p> <p>5.2.1 Extent of engagement Maintenance, thorough examination, operational testing, overhaul and repair of:</p> <ol style="list-style-type: none"> <li>1. Lifeboats(including free-fall lifeboats), <u>rescue boats and fast rescue boats</u>; and</li> <li>2. Launching appliances and on-load and off-load release gear for lifeboats(including primary and secondary means of launching appliances for free- fall lifeboats), rescue boats, fast rescue boats and davit-launched liferafts.</li> </ol> <p>&lt;herein after, omitted&gt;</p>	<p>5.2. Firms engaged in maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear (Z17 Annex 1-13) (2020)</p> <p>5.2.1 Extent of engagement Maintenance, thorough examination, operational testing, overhaul and repair of:</p> <ol style="list-style-type: none"> <li>1. Lifeboats(including free-fall lifeboats), <u>all</u> rescue boats <u>(including inflated rescue boats and fast rescue boats)</u> and <u>(2023)</u> <del>and fast rescue boats</del>;</li> <li>2. Launching appliances and on-load and off-load release gear for lifeboats(including primary and secondary means of launching appliances for free- fall lifeboats), rescue boats, fast rescue boats and davit-launched liferafts.</li> </ol> <p>&lt;herein after, same as the current Guidances&gt;</p>	<p>– Reflected Annex-1, 13.1 of IACS Z17 (Rev.17 July 2022)</p>

Present	Amendments	Reason
<p><b>16. Firms engaged in Commissioning Testing of Ballast Water Management Systems (BWMS) (2022)</b></p> <p>16.1 ~ 16.2 &lt;omitted&gt;</p> <p>16.3 Operators</p> <p>(1) Service Suppliers are expected to be able to perform both the biological sampling and assessment of self-monitoring parameters and has responsibility for document that the requirements to the operator are satisfied. Therefore, operators who conduct commissioning testing are to:</p> <p>(A) ~ (C) &lt;omitted&gt;</p> <p>(D) (*) be trained in the proper use of portable indicative analysis equipment. Review of training records and/or interviews should be conducted to confirm the equipment will be properly used during testing;</p> <p><u>&lt;newly added&gt;</u></p> <p>(E) (*) be familiar with and understand the design concepts of the Guidelines G2 sampling devices installed on the vessel's water ballast system. Personnel shall understand the need to maintain the G2 sampling devices clean and free of contaminants and the importance of controlling the ballast water sample flow rates from the G2 device (to avoid organism mortality in the sample);</p> <p>(F) ~ (I) &lt;omitted&gt;</p> <p>&lt;omitted&gt;</p>	<p><b>16. Firms engaged in Commissioning Testing of Ballast Water Management Systems (BWMS) (2022)</b></p> <p>16.1 ~ 16.2 &lt;same as the current Guidance&gt;</p> <p>16.3 Operators</p> <p>(1) Service Suppliers are expected to be able to perform both the biological sampling and assessment of self-monitoring parameters and has responsibility for document that the requirements to the operator are satisfied. Therefore, operators who conduct commissioning testing are to:</p> <p>(A) ~ (C) &lt;omitted&gt;</p> <p>(D) (*) be trained in the proper use of portable indicative analysis equipment. Review of training records and/or interviews should be conducted to confirm the equipment will be properly used during testing;</p> <p><u>(E) (*) be trained in the proper use of detailed analysis methods and equipment in case the Service Supplier offers detailed analysis. Review of training records and/or interviews should be conducted to confirm the equipment will be properly used during testing; (2023)</u></p> <p>(F) (E) (*) be familiar with and understand the design concepts of the Guidelines G2 sampling devices installed on the vessel's water ballast system. Personnel shall understand the need to maintain the G2 sampling devices clean and free of contaminants and the importance of controlling the ballast water sample flow rates from the G2 device (to avoid organism mortality in the sample);</p> <p><u>(G) (F) ~ (J) (F)</u> &lt;same as the current Guidance&gt;</p> <p>&lt;same as the current Guidance&gt;</p>	<p>- Reflected Annex-1, 18.3 of IACS Z17 (Rev.17 July 2022)</p> <p>- adjusting no.</p>

Present	Amendments	Reason
<p>16.5 Sampling and Analysis</p> <p>Service Suppliers are to follow relevant guidelines on sampling of ballast water. A standard operating procedure is to be defined for sampling of uptake water. Discharge sampling shall follow the IMO's 'Guidelines for Ballast Water Sampling (G2)'.</p> <p>&lt;omitted&gt;</p> <p>Service Suppliers shall maintain a record of:</p> <p>(1) Operation of the BWMS during test period, including any recorded data or operator observations associated with the performance deviations, alarms or abnormal/unexpected operations.</p> <p>(2) Applicable self-monitoring parameters.</p> <p>In case the commissioning testing requires the Service Supplier's personnel to work in hazardous areas (e.g., pump room for tankers, etc.), the Service Supplier shall either have equipment certified for the spaces or provide the Surveyor with a list of vessels for which they would not be able to conduct testing.</p> <p>&lt;omitted&gt;</p> <p>16.7 Reference Documents</p> <p>(1) The Service Supplier is to have access to the following documents, as may be amended:</p> <p>(A) ~ (E) &lt;omitted&gt;</p> <p>(F) <b>IMO Circular BWM.2/Circ.69</b> - Guidance on System Design Limitations of Ballast Water Management Systems and their Monitoring</p> <p>(G) <b>IMO Resolution MEPC.279(70)</b> - 2016 Guidelines for Approval of Ballast Water Management Systems (G8)</p> <p>(H) <b>IMO Resolution A.1120(30)</b> - Survey Guidelines under the Harmonized System of Survey and Certifications (HSSC), 2017 (for BWMS that were Type Approved to the 2016 G8) ↓</p>	<p>16.5 Sampling and Analysis</p> <p>Service Suppliers are to follow relevant guidelines on sampling of ballast water. A standard operating procedure is to be defined for sampling of uptake water. Discharge sampling shall follow the IMO's 'Guidelines for Ballast Water Sampling (G2)'.</p> <p>&lt;same as the current Guidance&gt;</p> <p>Service Suppliers shall maintain a record of:</p> <p>(1) Operation of the BWMS during test period, including any recorded data or operator observations associated with the performance deviations, alarms or abnormal/unexpected operations.</p> <p>(2) Applicable self-monitoring parameters.</p> <p>In case the commissioning testing requires the Service Supplier's personnel to work in hazardous areas (e.g., pump room for tankers, etc.), the Service Supplier shall either have equipment certified for <u>use in such the spaces or provide the Surveyor with a list of vessels for which they would not be able to conduct testing.</u> <a href="#">(2023)</a></p> <p>&lt;same as the current Guidance&gt;</p> <p>16.7 Reference Documents</p> <p>(1) The Service Supplier is to have access to the following documents, as may be amended: <a href="#">(2023)</a></p> <p>(A) ~ (E) &lt;omitted&gt;</p> <p>(F) <b>IMO Circular BWM.2/Circ.69</b> - Guidance on System Design Limitations of Ballast Water Management Systems and their Monitoring</p> <p>(G) <del>IMO Resolution MEPC.279(70)</del> - 2016 Guidelines for Approval of Ballast Water Management Systems (G8)</p> <p><a href="#">(G)</a> (H) <b>IMO Resolution <a href="#">A.1156(32)</a> A.1120(30)</b> - Survey Guidelines under the Harmonized System of Survey and Certifications (HSSC), <u>as amended</u> 2017 (for BWMS that were Type Approved to the 2016 G8) ↓</p>	<p>- Reflected Annex-1, 18.5 of IACS Z17 (Rev.17 July 2022)</p> <p>- Reflected Annex-1, 18.7 of IACS Z17 (Rev.17 July 2022)</p>