
	<b>OUTCOMES-BASED MONITORING INSTRUMENT (OBMI) FOR MARITIME EDUCATION PROGRAMS (MEPs)</b>		
Name of Maritime Higher Education Institution (MHEI):	Contact Numbers:	Email address:	
Address of Maritime Higher Education Institution (MHEI):	Region:		
Maritime Education Program/s Monitored:	Date of Monitoring:	Date last Monitored:	

<b>PROGRAM AND COURSE DESIGN, REVIEW AND APPROVAL</b>	<p style="text-align: center;"><b>EXPECTED OUTCOMES</b></p> <ol style="list-style-type: none"> <li>1) Produce competent:             <ol style="list-style-type: none"> <li>a) Officers in Charge of a Navigational Watch on seagoing ships of 500 gross tonnage or more</li> <li>b) Officers in Charge of an Engineering Watch in a manned engine-room or as designated duty engineer in a periodically unmanned engine-room on seagoing ships powered by main propulsion machinery of 750 kW or more.</li> </ol> </li> <li>2) Graduate of BSMT and BSMarE programs:             <ol style="list-style-type: none"> <li>a) For BSMT: Demonstrate the competence to perform the functions pertaining to navigation, cargo handling and stowage, controlling the operation of the ship and care for persons on board and radiocommunications at the operational level</li> <li>b) For BSMarE: Demonstrate the competence to perform the functions pertaining to marine engineering, electrical, electronic and control engineering, maintenance and repair, controlling the operation of the ship and care for persons on board at the operational level and acquire the specific knowledge and understanding under Table A-III/2 of the STCW Code that are covered by this program.</li> </ol> </li> <li>3) Ensure adherence to the program and course design as issued by the Administration. The MHEIs designed and developed other parts of the course packages taking into consideration the constructive alignment thereof.</li> </ol>
---	---

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
1	<p><b>Program Specifications</b></p> <p><b>Program Description</b> BSMT is a maritime education program that covers the mandatory education and training for Officers in Charge of a Navigational Watch required under Regulation II/1, Paragraph 2.5 of the STCW Convention, 1978, as amended.</p> <p>In addition, some of the knowledge and understanding under Table A-II/12, (e.g: Operating Principles of Marine Power Plants) as well as fundamentals in radiocommunications are included in the program.</p> <p>BSMarE is a maritime education program that covers the mandatory education and training for Officers in Charge of an Engineering Watch required under Regulation III/1, Paragraph 2.4 of the STCW Convention, 1978, as amended.</p>	<p>Program Outcomes</p> <p>Course Syllabus</p> <p>Verify if the following are implemented and check if there are any changes on the program documents.</p> <p>If changes are done, check if the changes are compliant. As per the Program Specifications documents: Vision, Mission, Goals, and Objectives Program Outcomes PEOs</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
	<p>In addition, some of the knowledge and understanding under Table A-III/2, (e.g: Thermodynamics and Mechanics) are included in the program.</p> <p><b>Degree Name</b> The degree name for the mandatory education and training for Officers in Charge of a Navigational Watch shall be Bachelor of Science in Marine Transportation (BSMT).</p> <p>The degree name for the mandatory education and training for Officers in Charge of an Engineering Watch shall be Bachelor of Science in Marine Engineering (BSMarE).</p> <p><b>Nature of the Field of Study</b> The BSMT program shall cover the study of navigation, cargo handling and stowage, controlling the operation of the ship and care for persons on board and some of the knowledge and understanding under Table A-II/2 as well as fundamentals in radiocommunications under Table A-IV/2.</p> <p>The BSMarE program shall cover the study of marine engineering, electrical, electronic and</p>	<p>Summary of Outcomes-based Matrix</p> <p>Course Syllabus</p> <p>Course Syllabus</p> <p>Verify if the following are implemented and check if there are any changes on the program documents.</p> <p>If changes are done, check if the changes are compliant. As per the Program Specifications documents: Vision, Mission, Goals, and Objectives Program Outcomes PEOs</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	

	<p>control engineering, maintenance and repair, controlling the operation of the ship and care for persons on board at the operational level and some of the knowledge and understanding under Regulation III/2, (e.g: Thermodynamics and Mechanics) are included in the program.</p> <p>Graduates of the recognized BSMT or BSMarE program are qualified to take the Maritime Administration prescribed assessment of competence for certification as Officer in Charge of Navigational Watch on seagoing ships of 500 gross tonnage or more or as Officer in Charge of Engineering Watch on seagoing ships powered by main propulsion machinery of 750kW propulsion power or more, subject to compliance with other requirements thereof.</p> <p><b>Program Educational Objectives (PEOs)</b></p> <p>The BSMT program shall aim to produce competent Officers in Charge of a Navigational Watch on seagoing ships of 500 gross tonnage or more while the BSMarE program shall aim to produce competent Officers in Charge of an Engineering Watch in a manned engine-room or as designated duty engineer in a periodically</p>	<p>Summary of Outcomes-based Matrix</p> <p>Course Syllabus</p>				
--	--	--	--	--	--	--

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
	<p>unmanned engine-room on seagoing ships powered by main propulsion machinery of 750 kW or more.</p> <p>MHEIs shall ensure that graduates of BSMT and BSMarE programs consistently pass the assessment of competence administered by the Maritime Administration. MARINA shall provide the annual results of the assessment of competence upon request of the MHEIs.</p> <p><i>Reference: Article IV JCMMC 01 s. 2022</i></p>	<p>Records of the following: Report from MARINA on the Annual Performance of their graduates to the assessment program.</p> <p>Assessment prior to the conferment of Degree.</p>				
2	<p><b>Program Outcomes</b> The program outcomes for the BSMT and BSMarE programs are expressed in the following set of learning outcomes:</p> <p><b>Common to all programs in all types of HEI</b> Graduates of BSMT and BSMarE programs should be able to:</p> <ol style="list-style-type: none"> <li>engage in lifelong learning and understanding to keep abreast of the developments in Maritime practice;</li> <li>work independently and in multi-disciplinary and multi-cultural teams;</li> </ol>	<p>Records of implementation on how the matrix was established.</p> <p>Assessment Documents Filled-up/Accomplished Matrix of Program Outcomes in relation to Course Outcomes for BSMT per cohorts</p> <p>Filled-up/Accomplished Matrix of Program Outcomes in relation to Course Outcomes for BSMarE per cohorts.</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
	<p>c. act in recognition and practice of professional, social, and ethical accountability and responsibility; and</p> <p>d. preserve and promote "Filipino historical and cultural heritage".</p> <p><b>Common to the BSMT and BSMarE Programs</b> Graduates of BSMT and BSMarE programs should be able to:</p> <p>a. apply knowledge in mathematics, science and technology in solving problems related to the profession and the workplace;</p> <p>b. evaluate the impact and implications of various contemporary issues in the global and social context of the profession;</p> <p>c. use appropriate techniques, skills and modern tools in the practice of the profession in order to remain globally competitive; and</p> <p>d. contribute to the existing body of knowledge through research or other forms of reative discourse and innovative works.</p> <p><i>Reference: Article IV JCMMC 01 s. 2022</i></p>	<p>Per cohorts with the identified KPI, Targets and results.</p> <p>Number of entrants per year level and those who completed per year level.</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
3	<p><b>Specific to the Discipline</b></p> <p><b>BSMT</b> A graduate of BSMT program shall be able to demonstrate the competence to perform the functions pertaining to navigation, cargo handling and stowage, controlling the operation of the ship and care for persons on board under Table A-II/1, fundamentals in radiocommunications under Table A-IV/2 and acquire some knowledge and understanding under Table A-II/2 (e.g., Operating Principles of Marine Power Plants) of the STCW Code that are covered by this program.</p> <p><i>Reference: Article IV Section 5.3 JCMMC xx s. 20xx</i></p>	<p>Course Outcome as per Course package is assessed and passed.</p> <p>Records of Course Outcome Assessment</p> <p>System and system outputs relative to Program and Course Design, Review and Approval</p>				
4	<p><b>Performance Indicators</b></p> <p>Performance Indicators are specific and measurable statements identifying the performance(s) required to meet the outcome; confirmable through evidence.</p> <p>MHEIs shall develop the performance indicators to be achieved by the students as per institution's program outcomes and may refer to Table A-II/1 Table A-II/2, Table A-IV/2, Table A-III/1 and Table</p>	<p>Developed performance indicators (Institutional/Program/Course)</p>				





Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	

A-III/2 of the STCW Code whichever are applicable-			Achievement of targets of performance indicators.  Actions taken on the variance, if any.  Records of comparison of the performance against target.  Result and compare with targets and analyze.  Realization of Targets and Analysis of Results  Records of implementation on how the matrix was established.  Assessment Documents Filled-up/Accomplished Matrix of Program Outcomes in relation to Course Outcomes for BSMT per cohorts  Filled-up/Accomplished Matrix of Program				
Sample Performance Indicators based on the Handbook on Typology, Outcomes-Based Education and Institutional, Sustainability Assessment (2014)							
A. Institution							
Performance Indicator	Metrics	Targets					
An attribute of the ideal graduate could be their ability to "apply their professional skills to become experts in their areas of specialization and expertise"	Could include overall results of licensure examination or employment rates of graduates, awards to the graduates or to the institution, or the MHEIs involvement	The desired standards such as minimum values of 70% passing rate in licensure examination, 80% employment rate, 1 award per year or involvement in the development of 2 local policies					



Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	

	<div>ent in the development of local and international policies</div> <p><i>Reference: Article IV Section 6 JCMMC 01 s. 2022</i></p>	<p>Outcomes in relation to Course Outcomes for BSMarE per cohorts.</p> <p>Per cohorts with the identified KPI, Targets and results.</p> <p>Number of entrants per year level and those who completed per year level.</p> <ul style="list-style-type: none"> <li>• Policy on how to operationalize the Performance Indicators</li> <li>• DTS</li> <li>• Assessment Tool</li> <li>• Policy on how to operationalize the performance indicators</li> <li>• DTS</li> <li>• Assessment tool</li> </ul> <p>Realization of Targets e.g: 70% passing rate of licensure exam.</p>				
--	--	--	--	--	--	--

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)				
				Compliant	Not Compliant					
5	<b>B. Program</b>	100% completion of project or thesis								
	<table><tr><th>Performance Indicator</th><th>Metrics</th><th>Targets</th></tr><tr><td>HEIs engineering graduates are expected to "provide engineering solutions in the context of social, environmental and ethical considerations"</td><td>Completion of project or undergraduate thesis geared toward problem solving that contributes to professional practice, community concerns and research</td><td>Desired standards such as 100% completion of project or thesis with 70% having an impact on profession, community or research</td></tr></table>	Performance Indicator	Metrics	Targets	HEIs engineering graduates are expected to "provide engineering solutions in the context of social, environmental and ethical considerations"	Completion of project or undergraduate thesis geared toward problem solving that contributes to professional practice, community concerns and research	Desired standards such as 100% completion of project or thesis with 70% having an impact on profession, community or research	Developed performance indicators (Institutional/Program/Course)		
Performance Indicator	Metrics	Targets								
HEIs engineering graduates are expected to "provide engineering solutions in the context of social, environmental and ethical considerations"	Completion of project or undergraduate thesis geared toward problem solving that contributes to professional practice, community concerns and research	Desired standards such as 100% completion of project or thesis with 70% having an impact on profession, community or research								
		Achievement of targets of performance indicators.								
		Actions taken on the variance, if any.								
	Reference: Article IV Section 6 of the Revised JCMMC 01 s. 2022									

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)					
				Compliant	Not Compliant						
6	<b>C. Course</b> <table><tr><th>Performance Indicator</th><th>Metrics</th><th>Targets</th></tr><tr><td>Students are expected to demonstrate the course outcomes.</td><td>Pass summative performance assessment</td><td>100% of students pass the summative assessment</td></tr></table> <i>Reference: Article IV Section 6 JCMMC 01 s. 2022</i>	Performance Indicator	Metrics	Targets	Students are expected to demonstrate the course outcomes.	Pass summative performance assessment	100% of students pass the summative assessment	100% of students passed the summative assessment (result of summative assessment)			
	Performance Indicator	Metrics	Targets								
Students are expected to demonstrate the course outcomes.	Pass summative performance assessment	100% of students pass the summative assessment									
7	<b>Curriculum</b>  <b>Minimum Curriculum Standards</b> The Commission and the Maritime Administration shall develop, adopt and implement the minimum curriculum standards for BSMT and BSMarE programs which shall be offered by the MHEIs. Upon compliance with the minimum prescribed curricula, MHEIs may design an enhanced curriculum suited to their own context and mission, and inform the Commission of the improvement prior to implementation. MHEIs shall consider the maximum number of study load of students per week as stipulated in MORPHE.	Program of Study compliant with the minimum requirements Records of monitoring and supervision of implementation of prescribed minimum curriculum standards									

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	

	<i>Reference: Article IV Section 7 JCMMC 01 s. 2022</i>					
8	<p><b>Implementation of the BSMT and BSMarE Curricula</b></p> <p>The curricula which shall contain the following:</p> <ol style="list-style-type: none"> <li>Curriculum Maps for BSMT and BSMarE programs (Annexes A and B)</li> <li>STCW Competencies Map for BSMT and BSMarE programs (Annexes C and D)</li> <li>Programs of Study (3-1 and 2-1-1 schemes) (Annexes E and F)</li> <li>Course Specifications for BSMT and BSMarE (Annex G-1 and G-2)</li> <li>Course Outline and Timetable (Annex H)</li> <li>Course Syllabus (Annex I)</li> </ol> <p><i>Reference: Article IV Section 8 of the Revised JCMMC 01 s. 2022</i></p>	<p>Records of design and development, review and verification, validation and approval of:</p> <ol style="list-style-type: none"> <li>Instructional Materials</li> <li>Course assessment and Assessment Tools</li> </ol> <p>Constructive alignment of:</p> <ol style="list-style-type: none"> <li>Instructional Materials</li> <li>Course assessment and Assessment Tools</li> </ol> <p>Course Time Table and Teaching Load of Instructors</p> <p>Course Syllabus Program of Study Laboratory Exercises Exercise Plan Practical Exercise Sheets DTS Course Outcomes Assessment and Assessment Tools</p> <p>School Calendar of Activities</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
		<p>Records of implementation/supporting document showing that the following policies were being implemented:</p> <p>Policy for make-up classes or activities for unforeseen circumstances or holidays</p> <p>Policy and procedure in the design and development, review and verification, validation and approval of:</p> <p>a. DTS</p> <p>b. Course assessment and Assessment Tools</p>				
9	<p>The following shall be developed by the MHEIs and shall be aligned with items a to f above using the templates herein provided.</p> <p>a. Detailed Teaching Syllabus (Annex J)</p> <p>b. Course Outcomes assessment and Assessment Tools (Annex K)</p> <p><i>Reference: Article IV Section 7 JCMMC 01 s. 2022</i></p>	<p>Constructive alignment of:</p> <p>a. DTS</p> <p>b. Course assessment and Assessment Tools</p> <p>Course Syllabus</p> <p>Records of implementation/supporting</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
		document showing that the following policies were being implemented: Policy and Procedure on monitoring and supervision of implementation of curriculum  Procedures on keeping of records of the lessons delivered Laboratory Exercises				
10	To include in the course syllabus, the following: <ul style="list-style-type: none"><li>• specify teaching method to be used either by theoretical sessions or by practical session at a laboratory (Item No. 4 of VT)</li><li>• To ensure that written, oral and/or practical tests to evaluate the outcomes of the onboard training shall address the intended learning outcomes specified in the curricula of the programme (Item No. 102 of Verification Tool (VT)) - to check with the OBT Key Area</li></ul>	Practical Exercise Sheets  Detailed Teaching Syllabus such as: <ul style="list-style-type: none"><li>• planning of lesson delivery</li><li>• lesson schedule</li><li>• teaching load assignment or teaching assignment contract</li><li>• instructor's activity/students activity for the laboratory hours</li><li>• exercises as required by the course program</li><li>• consistency of the entries in the learning</li></ul>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
		<p>outcomes, student's activities and assessments</p> <ul style="list-style-type: none"> <li>• specifying all course topics to be addressed</li> <li>• teaching method</li> <li>• allocation of time for teaching several course topics and specify the laboratory teaching time required by the programme curriculum and the course specification</li> <li>• time for theoretical lessons, laboratory practice and simulator exercises</li> <li>• include and specify fundamental references and study materials concerning the addressed KUPs and included obsolete references and topics</li> <li>• contact (teaching) and examination weeks consistent with the school calendar of activities</li> </ul>				



Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
		<ul style="list-style-type: none"> <li>cover in the courses all KUPs specified by the STCW Code for the competencies addressed indicated in the DTS School Calendar of Activities</li> </ul>				
11	<p>The MHEIs shall establish policy and procedure for its own monitoring and supervision of implementation of the curricula</p> <p>MHEIs shall monitor the delivery of the approved curriculum and shall ensure to keep records thereof for at least three (3) years.</p> <p>To ensure that Records of Course Delivery of professional courses particularly on the use of laboratory shall be consistent with what is indicated in the Course Syllabus (Ref: Item 41 of Verification Tool) - to check with the QSS Key Area</p>	<ul style="list-style-type: none"> <li>Approved Policy and procedure on monitoring and supervision of implementation of the curricula and records of implementation</li> <li>Records of delivery of the approved curriculum for at least three (3) years</li> <li>Records of implementation/supporting document showing that the following policies were being implemented: <ul style="list-style-type: none"> <li>Policy for make-up classes or activities for unforeseen circumstances or</li> </ul> </li> </ul>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
		<p>holidays</p> <ul style="list-style-type: none"> <li>– Policy on the Design and Development, Review and Verification, Validation and Approval of Course Syllabus</li> <li>– Records of Practical Exercises</li> </ul> <p>Exercise Plan</p> <p>Course Time Table and Teaching Load of Instructors</p> <p>Detailed Teaching Syllabus</p> <p>Course assessment and Assessment Tools</p> <p>Records of implementation/supporting document showing that the following policies were being implemented:</p> <p>Policy and Procedure on monitoring and supervision of implementation of curriculum</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
		<p>Procedures on keeping of records of the lessons delivered</p> <p>Laboratory Exercises</p> <p>Assessment Tool for the written, oral or practical</p> <p>Detailed Teaching Syllabus</p> <p>Documented information on the Design and Development, Review and Verification</p> <p>Policy and Procedure on monitoring and supervision of implementation of curriculum</p> <p>Course Syllabus QSS Manual</p> <p>Procedures on keeping of records of the lessons delivered</p> <p>Instructor's Guide</p> <p>Course Syllabus</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
12	<p><b>BSMT Program</b> The BSMT program shall have a minimum of 175 credit units consisting of the Professional Courses, OBT, Physical Education (PE), National Service Training Program (NSTP) and the General Education component following CMO No. 20, series of 2013.</p> <p>The sequencing of the courses according to pre-requisites and co-requisites shall be observed. The OBT in line with the requirements of the STCW Convention, 1978, as amended shall be given a total of 40 credit units upon completion.</p> <p>MHEIs shall ensure that all pre-requisite subjects will be given to students ahead of the co-requisites subjects and shall be reflected in the Program of Study of the institution</p> <p><i>Reference: Article IV JCMMC 01 s. 2022</i></p>	<p>Records of monitoring and supervision of implementation of the Professional Courses, OBT.</p> <p>Records of Implementation of the Program of Study (3-1 or 2-1-1 scheme) Check if the Program of Study is being implemented including the pre-requisites and co-requisites</p>				
13	<p><b>Recommended Elective Professional Courses/Topics for BSMT Program</b></p> <p>The MHEI may select any 2 courses/topics of the following recommended electives for course development and offering, but not limited to:</p> <ol style="list-style-type: none"> <li>1. Ship Operations and Shipyard Practice</li> <li>2. Ship Superintendence and Chartering Practice</li> <li>3. Ship Survey and Vetting Inspection</li> <li>4. Port Management and Logistics</li> </ol>	<p>Program of Study with Curriculum enhancements made by the HEI (3-1 or 2-1-1 scheme)</p> <p>Verify whether they are implementing elective course as prescribed (at least two (2) courses)</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
	5. Trends, Issues, and Breakthroughs in the Maritime Industry 6. Emerging Technologies in the Maritime Industry 7. Data Analytics for Maritime professionals 8. Planned Maintenance System 9. Ship's Management System per IMO Mission 10. Ship's auditing system  <i>Reference: Article IV JCMMC 01 s. 2022</i>	Records of Practical Exercises  Exercise Plan  DTS				
14	<b>BSMarE Program</b> The BSMarE program shall have a minimum of 179 credit units consisting of the Professional Courses which include mechanical and electrical workshop skills training OBT, PE, NSTP and the General Education component following CMO No. 20, Series of 2013.  The sequencing of the courses according to pre-requisites and co-requisites shall be observed. The OBT in line with the requirements of the STCW Convention, 1978, as amended shall be given a total of 40 units upon completion.  <i>Reference: Article IV JCMMC 01 s. 2022</i>	Records of monitoring and supervision of implementation of Professional Courses which include mechanical and electrical workshop skills training Records of Implementation of the Program of Study (3-1 or 2-1-1 scheme) Check if the Program of Study is being implemented including the pre-requisites and co-requisites				
15	<b>Recommended Elective Professional Courses/Topics for BSMarE Program</b>					

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
	<p>The MHEI may select any 2 courses/topics of the following recommended electives for course development and offering, but not limited to:</p> <ol style="list-style-type: none"> <li>1. Ship Operations and Shipyard Practice</li> <li>2. Ship Superintendence and Chartering Practice</li> <li>3. Ship Survey and Vetting Inspection</li> <li>4. Port Management and Logistics</li> <li>5. Trends, Issues, and Breakthroughs in the Maritime Industry</li> <li>6. Emerging Technologies in the Maritime Industry</li> <li>7. Bridge Navigational Equipment for Marine Engineers</li> <li>8. Data Analytics for Maritime professionals</li> <li>9. Ship's Management System per IMO Mission</li> <li>9. Ship's auditing system</li> </ol> <p><i>Reference: Article IV JCMMC 01 s. 2022</i></p>	<p>Program of Study with Curriculum enhancements made by the HEI (3-1 or 2-1-1 scheme)</p> <p>Verify whether they are implementing elective course as prescribed (at least two (2) courses)</p> <p>Records of Practical Exercises</p> <p>Exercise Plan</p> <p>DTS</p>				
16	<p><b>Implementation of the new General Education Curriculum</b></p> <p>All MHEIs shall strictly implement and abide by the guidance provided in CMO No. 20, series of 2013 entitled "General Education Curriculum: Holistic Understandings, Intellectual and Civic Competencies."</p>	<p>Records of monitoring and supervision of implementation of new General Education Curriculum</p> <p>Program of Study with Curriculum enhancements made by the HEI (3-1 or 2-1-1 scheme)</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
	<i>Reference: Article IV JCMMC 01 s. 2022</i>	Schedule stated in the Program of Study is being implemented or followed  Implementation of New General Education Course syllabi				
17	<p><b>Curriculum Design, Review, Revision and Approval</b> <b>Review and Enhancement of the Curriculum by the MHEIs</b></p> <p>The MHEIs shall also conduct a course review annually and program review on the fifth year of the implementation. When the need arises, the prescribed curriculum will be reviewed based on relevant national and international rules and statutory requirements affecting maritime education and training, as well as feedbacks from faculty members, students, school officials/personnel, end-users and other industry stakeholders. The policies and procedures to this effect shall be embodied in the MHEI's Quality Standards System</p> <p>The MHEIs may enhance their BSMT and/or BSMarE curricula according to and as suited to their own context and mission, for information of</p>	<p>Approved Policy and procedure on review and enhancement of curriculum and records of implementation</p> <p>Results/Records of the annual review and program review on the 5th year of implementation taking into consideration the relevant national and international rules and statutory requirements affecting maritime education and training, as well as feedbacks from faculty members, students, school officials/personnel, end-users and other industry stakeholders.</p>				



Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
	<p>the Commission. However, changes that may affect the prescribed minimum curriculum standards shall be subject to approval by the Commission and the Maritime Administration prior to implementation.</p> <p><i>Reference: Article IV JCMMC 01 s. 2022</i></p>	<p>Result/records of the Design and Development, Review and Verification, Validation and Approval of Curriculum</p> <p>Notice to the commission in case of enhancement from BSMT and/or BSMarE curricula.</p> <p>Proof of approval in case there are changes in prescribing the curriculum standards</p>				
18	<p><b>Submission of the proposed revision of the Curriculum</b></p> <p>Any proposed revision or enhancement that may affect the prescribed minimum curriculum standards shall be submitted in electronic and hard copies at least one year before the intended implementation to Maritime Education Section (MES), Division of Programs with International Conventions, Office of Programs and Standards Development of the Commission. The submitted proposed revision or enhancement to the curriculum shall be reviewed jointly by the</p>	<p>Result/records of the Design and Development, Review and Verification, Validation and Approval of Curriculum</p> <p>Copy of submitted electronic and hard copies at least one year before the intended implementation and supported with documentary evidence that the same is in line with and intended to</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
	<p>Commission and the Maritime Administration for approval.</p> <p>The proposed revision of the curriculum shall be supported with documentary evidence that the same is in line with and intended to enhance the standards prescribed by the STCW Convention, 1978, as amended and other international covenants and the needs of industry.</p> <p>The submitted proposed revision or enhancement that affects the prescribed minimum curriculum standards shall be reviewed jointly by the Commission and the Maritime Administration for approval.</p> <p><i>Reference: Article IV JCMMC 01 s. 2022</i></p>	<p>enhance the standards prescribed by the STCW Convention.</p> <p>Revised curricula that are align with and intended to enhance the standards prescribed by the Convention</p> <p>Approval from the CHED and MARINA of the revised curricula</p>				
19	<p><b>Effectivity and Implementation of an approved revised Curriculum</b></p> <p>A revised curriculum shall take effect and be implemented on the intended year of implementation after approval by the Commission and the Maritime Administration</p> <p><i>Reference: Article IV JCMMC 01 s. 2022</i></p>	<p>Approved Curriculum by the Commission and the Maritime Administration</p>				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/Indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
20	<b>Basic Training</b> The Basic Training is a component of the BSMT and BSMarE programs. For this purpose, the MHEIs shall first apply and secure proper approval from the Maritime Administration to offer the said course.  In case the MHEIs cannot offer the Basic Training component to its BSMT and/or BSMarE students, the concerned MHEI shall enter into a Memorandum of Agreement (MOA) with a maritime training institution (MTI) offering an approved Basic Training course located within the region.	Valid Certificate of Course Approval to offer Basic Training  Valid and notarized MOA with MTI offering an approved BT course located within the region				
	The concerned MHEI shall submit to the Commission the following documents as evidence of compliance with this PSG, and shall be subject to verification and monitoring: 1 Copy of the Notarized Board Resolution of the concerned MHEI; 2 Copy of the Notarized MOA; 3 Copy of Certificate of Course Approval for Basic Training from the Maritime Administration; 4 Evidence of evaluation of the MTI by the concerned MHEI showing the following: a. Capacity to accommodate their students according to the prescribed course intake limitation; b. Instructor-trainee ratio; and	Notarized Board Resolution of the concerned MHEI; Proof of evaluation of the MTI by the concerned MHEI showing the following: a. Capacity to accommodate their students according to the prescribed course intake limitation; b. Instructor-trainee ratio; and c. Equipment student ratio.				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	
	c. Equipment trainee ratio.  <i>Reference: Article IV JCMMC 01 s. 2022</i>	Proof of submission of compliance documents to CHED  Schedule of BT  Proof of completion of BT  Proof of monitoring on the progress of training				
21	In case the MT I covered by the MOA is not located within the region, the concerned MHEI shall submit to the Commission the following documents, in addition to the requirements in Section 12.3:  1. A written justification for such an arrangement; and 2. Parents' consent for concerned students attending Basic Training in MTI covered by the MOA not located within the region.  <i>Reference: Article IV JCMMC 01 s. 2022</i>	Proof of submission of compliance documents to CHED				
21	The MHEIs shall ensure proper arrangement, coordination and supervision and monitoring of the Basic Training for their students  <i>Reference: Article IV JCMMC 01 s. 2022</i>	Proof of compliance and records of arrangement, coordination and supervision and monitoring of the Basic Training				

Item No.	KEY AREAS, MINIMUM REQUIREMENTS AND REFERENCE	OBJECTIVE EVIDENCE	SELF-ASSESSMENT (For the Institution) Identify/indicate the Objective Evidence	FINDINGS (For the Joint CHED-MARINA Team)		REMARKS (Other Objective Evidence)
				Compliant	Not Compliant	

**Lead Evaluator**

:

\_\_\_\_\_  
Signature Over Printed Name

**Monitoring Team Members**

:

\_\_\_\_\_  
Signature Over Printed Name

\_\_\_\_\_  
Signature Over Printed Name

