

Green Award Foundation

Westerkade 7B | 3016 CL ROTTERDAM | The Netherlands | www.greenaward.org

Annex 3b: Green Award Requirements Bulk carrier (General Cargo carrier) Version 2019

Checklists for Office Audits and Ship Surveys

Effective as of 1 April 2019



Annex 3b: Green Award Requirements

Bulk carrier (General Cargo carrier)

Bulk carriers (General Cargo carriers)



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Legend for Checklists

○	Indicates which crew/employee may be interviewed/questioned.
	Shows that a certain item is complied.
	Shows that a certain item is not complied.
0	Indicates that an alternative is used, hence the score for that item is a "0".
	The checklist was filled in incorrectly, thus shows "error".
0	Indicates that the whole element did not reach the minimum score, hence a finding is issued. The number shows the scores obtained.
	Shows which elements are minimum = maximum. Hence scores on all items is required to fully comply.
	Indicates that the minimum score for the relevant element is "0", hence a finding will not be issued.

* for detailed interpretations of the colours and the usage of the checklist, please refer to the pdf-file named "Instruction Notes" located on www.greenaward.org under "Certification/Download".


Revision codes


- RN Item/question is renumbered
- RR Rating score of item/question is changed
- N New item or question
- D Item/question is deleted
- M Text of item/question is modified


APPENDIX 1


CHECKLIST - BASIC CRITERIA - OFFICE AUDIT -
BULK CARRIER (GENERAL CARGO CARRIER)

(GMC-06)

CHECKLIST - BASIC CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																									
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			100	MANAGEMENT ELEMENTS																					
101	GENERAL				o		o		o		o		o		o				o		o				
101.1	Are the Management System (MS) Manuals maintained and updated?																								
102	SAFETY AND ENVIRONMENTAL PROTECTION POLICY				o		o		o		o		o		o										
102.1	Is a company policy concerning safety and the environment and which is signed by the Man. Dir., available?																								
102.2	Are objectives concerning safety and the environment described?																								
102.3	Is this policy maintained and implemented at all shore-based levels as well as all ship-based levels?																								
103	COMPANY RESPONSIBILITIES AND AUTHORITY				o		o		o		o		o		o				o		o				
103.1	Is the entity who is responsible for the operations of the ship clearly defined? (Owner or entity)																								
103.2	Are shore-ship communications, defined levels of authority and lines of communication established?																								
103.3	Are responsibilities and authorities of all office personnel clearly defined ?																								
103.4	Is the designated person provided with shore-based support and adequate resources?																								
104	DESIGNATED PERSONS		o		o																				
104.1	Is/are (a) designated person(s) assigned in the office?																								
104.3	Is objective evidence available that the safety and environmental aspects of the operation of each ship is monitored and that required adequate resources and shore-based support is applied?																								
105	MASTER'S RESPONSIBILITY AND AUTHORITY				o		o		o		o		o		o						o				
105.1	Is the responsibility of the master clearly defined and documented?																								
105.6	Does the company have the overriding authority of the master clearly defined? (ISM Code 2002 5.2)																								
105.7	Are master's reviews reported and evaluated?																								

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				106	RESOURCES AND PERSONNEL AND STCW			o						o									
	106.1	Does the company have a procedure to verify the integrity of the sea staff certification and medical fitness before being assigned to the ship?																					
	106.2	Have the owners/managers established documented policies concerning shore/ship personnel?																					
	106.3	Has the level of competency been defined and documented for office personnel performing functions pertinent to safety and the environment?																					
	106.4	Do arrangements include a provision for masters and officers to receive an adequate introduction and continuous update of the company's safety and environmental system?																					
	106.5	Do arrangements include training and an introduction to the quality system for the executive management ?																					
	106.6	Do office personnel receive training/courses with regard to the ISM Code and are they consistent with the MS manuals?																					
	106.7	Are records of this training/courses available?																					
	106.8	Are internal audits held on board the ships?																					
	106.9	Is standard composition of crew documented in company policy?																					
	106.10	Is personnel promotion policy (ship & office) documented in company procedures?																					
	106.11	Is the working language between the office and the vessels defined?																					
	106.12	Are all senior and deck officers conversant with the English language for maritime communication ?																					
	106.13	Are operational instructions on board written in a language understood by officers and shipboard personnel ?																					
	106.14	Is the working language monitored and checked by the ship's staff and verified during internal audits ?																					
	106.17	Is the Master of a vessel fully conversant with the Company's Management Systems ?																					
	107	DEVELOPMENT OF PLANS FOR SHIPBOARD OPERATIONS			o		o		o		o		o		o						o		
	107.1	Does the company have procedures for the preparation of plans and instructions for key shipboard operations concerning safety of the ship and prevention of pollution?																					
	107.3	Are tasks, qualifications and responsibilities defined in the manuals and in the job descriptions?																					
	108	EMERGENCY PREPAREDNESS	o		o		o		o		o		o		o					o		o	
	108.1	Does the system cover the arrangements needed to ensure that the company, day and night, is prepared to respond effectively to hazards, accidents or emergencies involving their ships?																					
	108.2	Are tasks, qualifications and responsibilities described in the manuals and in the job descriptions?																					
	108.3	Is communication with media included in the emergency procedures?																					
	108.4	Are procedures for an "Emergency room" in the office defined?																					


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				109	REPORTS AND ANALYSES OF NON-CONFORMITIES, ACCIDENTS AND HAZARDOUS OCCURENCES			o		o		o		o		o		o						o
	109.1	Are safety and environmental inspections carried out, documented and reported?																						
	109.2	Does the company have instructions/procedures for the reporting of non-conformities/ near misses?																						
	109.3	Are non-conformities, accidents and hazardous occurrences reported to the office?																						
	109.4	Are corrective and/or preventive actions taken ?																						
	109.5	Does the company have objective evidence to show their support of the shipboard personnel in reporting of non-conformities / near misses?																						
	110	MAINTENANCE OF THE SHIP AND EQUIPMENT			o		o		o															
	110.1	Are ship inspections held at defined intervals? (minimum of twice a year or equivalent)																						
	110.2	Are non-conformities reported including their possible cause?																						
	110.3	Is appropriate corrective action taken?																						
	110.4	Are records of these activities maintained?																						
	110.5	Does the MS require ship-critical equipment and systems to be identified?																						
	110.6	Does the MS provide for specific measures aimed at promoting the reliability of ship-critical equipment and systems?																						
	111	DOCUMENTATION			o																			
	111.1	Does the company have procedures to control documents and data relevant to the Man.System?																						
	111.2	Are valid documents available at all relevant locations?																						
	111.3	Are changes to documents reviewed and approved by authorised personnel?																						
	111.4	Are obsolete documents removed promptly?																						
	112	COMPANY VERIFICATION, REVIEW AND EVALUATION	o		o		o		o		o		o		o		o		o		o			
	112.1	Are internal audits carried out to verify whether safety and pollution-prevention activities, and other procedures, comply with the Management System (MS)?																						
	112.2	Does the company periodically evaluate the efficiency of the MS and review the MS , in accordance with procedures established by the company ,when necessary?																						
	112.3	Is a management review done?																						
	112.4	Are the results of audits and reviews brought to the attention of all personnel having responsibility in the area involved?																						
	112.5	Have the management personnel, responsible for the area involved, taken timely corrective actions on deficiencies found?																						


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			218	Noise Levels On Board Ships																				
	(Only applicable to new ships of a gross tonnage of 1,600 and above.)																							
218.1	Is it company policy that the ships are surveyed for the measurement of noise level and the results recorded in the noise survey report in accordance with the Res MSC.337(91)?																							
218.2	Is it company policy to identify areas of the vessels based on the noise levels and to place relevant visible warning notices at the entrance to these areas? (IMO noise symbols)																							
300	MARPOL 73/78																							
301	Provisions concerning Reports on Incidents Involving Harmful Substances (Protocol 1)																							
301.1	Does the company have a procedure in order to report an incident to the nearest coastal state in the event of the ship being abandoned or if a report from the ship is incomplete or unobtainable?																							
310	Prevention of pollution by oil																							
310.1	Is a shipboard oil pollution emergency plan developed?																							
310.3	Is training and testing of the oil pollution emergency plan done?																							
310.4	Is the plan reviewed? (periodic and event review)																							
310.5	Is an updated list of persons to be contacted available? (coastal States, port contacts, company interest contacts)																							
310.6	Is office personnel familiar with the shipboard oil pollution emergency plan?																							
310.7	Does the company have a policy concerning the retention and disposal of oil residues (sludge)?																							
350	Prevention of pollution by garbage																							
350.2	Has the company developed a ship specific garbage management plan taking into account the number of people onboard, size/type and the trade area of the ship?																							
350.4	Is it a company policy to designate a person responsible for execution of the garbage management onboard?																							


APPENDIX 2


CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER)


(GMC-07)


CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																										
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			1000	GENERAL																						
1100	Data Monitoring and Recording Equipment						o		o																	
1100.1	Is it company policy that the vessels constructed before 01/07/2002 are equipped with a "full" VDR?																								0	10
1100.2	Is it a company policy that the vessels are equipped with a CCTV system, which has cameras located in <u>open deck spaces</u> ?																								0	5
1100.6	Is it a company policy that the vessels are equipped with a CCTV system, which has cameras located in <u>engine room</u> ?																								0	5
1100.3	Is it company policy that the CCTV footage is recorded by VDR or backed-up by alternative means (minimum of 12 hours)?																								0	10
Total score																							0	30		
Minimum ranking score required for element 1100 = 0																										
1200	Enclosed Space Entry & Hot Work						o		o																	
1200.1	Is there an Enclosed Space Entry and Hot Work permit to work system, taking account of IMO and industry guidelines and where relevant local port / terminal requirements?																								0	10
1200.6	Is company approval of the Hot Work permit required before work can begin?																								0	10
1200.7	Is an evaluation of the Hot Work permit made (permit shows the appropriate safety precautions relevant to the location of work)?																								0	20
1200.12	Is the HSQ Manager designated to authorise hot work?																								0	20
1200.2	Is crew on board provided with suitable personal protective equipment and suitable equipment for testing the atmosphere of an enclosed space? (e.g. breathing apparatus, protective clothing and approved + calibrated atmosphere testing equipment)																								0	5
1200.8	Are all personnel entering an enclosed space provided with a personal gas detector which can measure HC, oxygen and relevant toxic vapours?																								0	10
1200.9	Is it company policy that a safety meeting, attended by all personnel involved, is held prior to entering the space or commencement of hot work in order to review procedures and PPE (including those specific for the intended work) ?																								0	10
1200.10	Does the company require a responsible officer to be designated for all aspects of the operation?																								0	5
1200.3	Is ship's crew trained and drilled periodically according to enclosed space entry procedures ?																								0	5
1200.4	Does training also include rescue and first aid?																								0	5
Total score																							0	100		
Minimum ranking score required for element 1200 = 100																										
1300	Compressor for the refilling of air cylinders for breathing apparatus or alternative, Additional Green Award Requirement						o		o																	
1300.1	Is it company policy that the vessels have a compressor for the refilling of air cylinders for breathing apparatus?																								0	20
1300.2	Alternative for 1300.1: sufficient number of air cylinders for the sole purpose of safety drills																								0	10
Total score																							0	20		
Minimum ranking score required for element 1300 = 10																										


CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																						
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	1400	Control of drugs & alcohol onboard																				
M/RR	1400.2	Are all seafarers subject to an unannounced alcohol testing on board as initiated by the office? (Approved test equipment to be available on board)																	0	10		
M/RR	1400.1	Are all seafarers subject to shore-based drug and alcohol testing at least once in last 12 months?																	0	5		
N	1400.5	Are all fleet vessels subject to unannounced drug and alcohol testing at least once in 12 months by an external organisation?																	0	5		
N	1400.6	Alternative to 1400.1 & 1400.5: In case crew members are not subject to shore-based drug and alcohol testing at least once in last 12 months, are all fleet vessels subject to unannounced drug and alcohol testing at least twice in 12 months by an external organisation?																	0	10		
N	1400.7	Does the company contract an external drug and alcohol test organization to monitor fleet vessels for next due vessel tests such that the organization can appropriately decide themselves location and date of attendance?																	0	15		
																			Total score		0	35
																			Minimum ranking score required for element 1400 = 20			
	1500	Emergency Response System																				
	1500.1	Is there a policy for implementation of an ERS for the bulk carrier fleet? (an internal response system or an external service from an IACS class member)																	0	10		
	1500.2	Are documents, procedures and instructions available?																	0	10		
	1500.3	Are at least two of the emergency response team (ERT) members familiar with the ERS procedures?																	0	10		
	1500.4	Are company vessels in receipt of an evaluation report of an annual drill between company, ERS service provider (class) and a company vessel ?																	0	10		
	1500.5	Is an annual ERT drill performed at the office which includes participation by the ERS service provider (class) and one company vessel ?																	0	15		
	1500.9	Is an updated list of national & local authorities, as required in the SOPEP & the emergency response plan, available in the office ?																	0	10		
	1500.10	Do relevant ERT member(s) participate in an ERS training course as provided by the ERS service provider (class) ?																	0	10		
																			Total score		0	75
																			Minimum ranking score required for element 1500 = 55			


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				1600	Computer Systems, Networks, Data Security and Training			0														0				
	1600.1	Are arrangements for shore and vessel systems documented ? (configuration scheme)																							0	10
	1600.2	Are adequate system back-up's for office administrative PC systems made (where applicable) and are procedures for this documented ?																							0	5
	1600.7	Is there a policy that system back-ups for vessel computer-based systems are made (where applicable)?																							0	5
	1600.8	Is there a policy that system back-ups for vessel administrative PC systems are made?																							0	5
	1600.3	Is training provided at a level required to effectively operate and maintain the system and cover normal, abnormal and emergency conditions?																							0	10
	1600.4	Is the internal audit scheme applicable to the IT department?																							0	10
	1600.5	Are computer systems, in relation to IMO MSC/Circ.891, certified by a recognised organisation?																							0	10
	1600.6	Is a system administrator designated for administrative PC systems in the office ?																							0	10
			Total score																							
																								0	65	
			Minimum ranking score required for element 1600 = 40																							
N	1610	Cyber Risk Management																								
N	1610.1	Does the company have plans and procedures of cyber risk management (cyber risk policy) in place?																							0	10
N	1610.2	Does the company incorporate the cyber risk policy in its Safety Management System (SMS) developed under the ISM code?																							0	20
N	1610.3	Does the cyber risk policy differentiate between IT (information technology) and OT (operational technology) systems?																							0	5
N	1610.4	Does the cyber risk policy focus on elements such as third-party access and bring your own device (BYOD) in the office?																							0	5
N	1610.5	Does the company designate and train personnel as appropriate to identify and respond to cyber threats to the company's information technology systems?																							0	5
N	1610.6	Does the company have a policy in place to build new ships equipped with cyber secure systems and components?																							0	5
			Total score																							
																								0	50	
			Minimum ranking score required for element 1610 = 30																							


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	1710	Underwater Noise and Vibration Management																			
	1710.1	Is it company practice to design a newbuild ship in such a manner to attenuate/reduce underwater noise?																		0	10
M	1710.2	Does the company take any of the following measures to reduce underwater noise and vibration: 1.Installation of state of art propellers (With reduced cavitation); 2.Wake conditioning devices; 3.Installation of air injection propeller; 4.Vibration isolators mounted on the diesel generators; 5. Installation of propeller boss cap with fins; 6. Others = *fill during audit*?																		0	10
		If others =	*fill during audit*																		
	1710.3	Does the company take any additional maintenance routines (e.g. polishing/coating) to reduce cavitation from the propeller?																		0	5
	1710.4	Does the company opt for re-routing or slow steaming where possible and practicable to protect whale sensitive areas?																		0	5
			Total score																	0	30
			Minimum ranking score required for element 1710 = 0																		


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			2111	Electronic chart display & information systems / ECDIS																						
		Applicable to the companies with ships for which carriage of ECDIS is compulsory and Bulk Carriers which choose to use ECDIS as primary means of navigation on voluntary basis																								
2111.3	Does the company provide navigational procedures concerning the use of ECDIS?																							0	10	
2111.4	Is it a company policy to list ECDIS as critical equipment and integrate into PMS? (hardware and software)																							0	5	
2111.5	Is it a company policy that ECDIS is tested according to IHO ECDIS data presentation and performance check with a use of test data set after every update of the software (including back up)?																							0	5	
2111.6	Is it a company policy that regardless of the generic training the crew is familiarised with the ECDIS unit(s) installed onboard according to the Industry Recommendations for ECDIS Familiarisation?																							0	15	
2111.7	Is it a company policy to provide structured ECDIS training(s) for all officers on top of the generic training (besides the familiarization onboard in R2111.6)?																							0	5	
2111.8	Does the company have a contract / agreement with ECDIS manufacturer in relation to the maintenance of the software?																							0	5	
2111.11	Does the company have a standard for display settings (layers) of ECDIS for various navigation conditions (arrival / departure - coastal - deep sea)?																							0	5	
2111.12	Is it a company policy that the vessels have a basic folio of paper charts (in case second ECDIS is a back up system)?																							0	10	
			Total score																			0	60			
			Minimum ranking score required for element 2111 = 35																							
2120	Fuel Change Over / Ballast Water Exchange			0				0					0													
2120.1	Is it company policy that the voyage plan (checklist) include when fuel change over <u>should</u> be carried out?																							0	10	
2120.2	Is it company policy that the voyage plan (checklist) include when ballast water exchange <u>can</u> be carried out?																							0	10	
			Total score																			0	20			
			Minimum ranking score required for element 2120 = 20																							
2300	Mooring Operations								0																	
2300.1	Does the company have procedures/instructions for mooring/unmooring operations?																							0	10	
			Total score																			0	10			
			Minimum ranking score required for element 2300 = 10																							


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3000	MACHINERY / ENGINE OPERATIONS																																									
3100	Bunker Operations																																									
3100.1	Does the company MS specify a safe-maximum percentage fill for bunker tanks? (max. limit 95%)																							0	10																	
3100.2	Is a checklist used for bunker operations (company format) ?																							0	10																	
3100.3	Does the bunker procedure include a bunker plan (company format) ?																							0	10																	
3100.4	Are there procedures/instructions for the internal transfer of fuel oil between main storage tanks?																							0	10																	
3100.5	Is there an instruction that all persons involved are to be familiar with the intended bunker operation and/or internal transfer operation and their duties?																							0	10																	
																								0	50																	
3200	Fuel Oil Testing, Bunker Alerts & Marpol Bunkering Requirements & Additional Green Award requirements																																									
3200.1	Is it company procedure that bunkered fuel oil is always tested (before use onboard) by a recognised fuel analysis organisation ashore according to the latest edition of ISO 8217 ?																							0	40																	
	3200.2, 3200.3 & 3200.4 are alternatives to 3200.1																																									
3200.2	Is it company procedure that fuel oil is always tested in a laboratory <u>before</u> use on board? Except for deliveries (with dedicated barges and product specification confirmation) from suppliers approved by the company.																							0	10																	
3200.3	Is fuel oil obtained from "high risk" bunker ports & ports to which an alert is applicable, tested in a laboratory before use on board ?																							0	10																	
3200.4	Must untested fuel from approved suppliers be monitored for its quality and may it be tested in a laboratory if specifications are in doubt?																							0	10																	
3200.5	Are global bunker quality alerts received onboard from company fleet experience and from the fuel analysis organisation ?																							0	10																	
3200.13	Is an evaluation of all fuel oil suppliers carried out and are the negative results brought to the attention of the charterer?																							0	10																	
3200.8	Is support given by the office to the vessels in obtaining Bunker Delivery Notes for every fuel delivery as required by MARPOL Annex VI ?																							0	10																	
3200.9	Are all fuel sample bottles (Marpol and quality test sample) to be stored in an appropriate location sheltered from elevated temperatures ?																							0	5																	
3200.10	Is a documentary record system for bunker samples and related bunker delivery notes implemented onboard company ships ?																							0	5																	
3200.11	Is it company policy that fuel oil sampling is carried out in accordance with the latest edition of Gibraltar Port Authority Bunkering Code of Practice and Marpol Annex VI ?																							0	10																	
																								0	90																	


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4000	CARGOES / CARGO OPERATIONS																																		
4600	Cargo Operations																																		
4600.2	Is company aware of cargo specifications which are required by the charterer of the ship?																								0	10									
4600.5	Does the charter party specify that the cargo to be loaded must be under the supervision and direction of the master?																								0	20									
4600.6	Does the charter party specify the action to be taken in the event of stevedores' damage?																								0	10									
4600.7	Does the charter party specify that the loading / unloading plan of the ship has to be followed?																								0	10									
4600.8	Does the charter party specify that cargo has to be provided with a certificate of transportable moisture limit?																								0	10									
																									0	60									
4601	Preparation of loading / unloading plan																																		
4601.1	Does the company distribute relevant cargo instructions to the vessel? (i.e. is ship compatible for intended cargo?)																								0	20									
4601.2	Does the company provide the master with clear instructions about identity of charterer with respect to reporting and consultation? (especially when ship is chartered by sub-charterers)																								0	10									
4601.3	Does the shipbroker (or head office staff) contact the master to request his confirmation that a cargo can be safely carried and his calculations of the tonnage that the ship can carry between specified ports?																								0	20									
4601.4	Is the ship provided with information about the terminal in order to plan the loading and unloading plan?																								0	10									
4601.6	(For General Cargo Carriers, go to alternatives 4601.7 to 4601.10) Is the master provided with information on the strength of the hull girder system for representative scenarios of loading and discharging under intended loading conditions?																								0	20									
	(For General Cargo Carriers) 4601.7 to 4601.10 are alternatives to 4601.6																																		
4601.7	Does the "trim & stability booklet" provide information on maximum allowable cargo-load per hold / per tank top unit surface (m ² or ft ²)?																								0	10									
4601.8	Does the "trim & stability booklet" provide information on any restrictions during loading / discharging or voyage reference cargo-loads?																								0	10									
4601.9	Does the "trim & stability booklet" provide information on maximum permissible forces and moments on the ship's hull during loading / discharging and voyage?																								0	10									
4601.10	Is it company policy to provide each vessel with a loadicator which enables the ship's staff to make intact stability calculations and provides information as required by 4601.9?																								0	10									
																									0	100									


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			4602	Cargo handling and operations		0				0		0				0								0		
4602.1	Is it company procedure that the ship shore safety checklist for loading or unloading dry bulk cargo carriers (MSC/Circ. 690) has to be used before loading/unloading operations?																								0	10
4602.2	Does the company give procedures/instructions in relation to the entire cargo operations?																								0	10
4602.6	Is it company policy that a written cargo declaration has to be issued before commencement of loading?																								0	10
4602.7	Does the company have procedures / instructions regarding stevedore damage?																								0	10
4602.13	(N/A for General Cargo Carriers) Is it company policy that cargo which is liable to stick between frames is removed on time? (e.g. in order to prevent damage caused by pneumatic hammers, bulldozers etc.)																						na	0	0	
			Total score																				0	40		
			Minimum ranking score required for element 4602 = 30																							
4606	Safety precautions during cargo operations		0				0		0				0								0					
4606.1	Does the company give instructions regarding access on board of unauthorised persons?																								0	10
4606.2	Are there procedures to ensure that a sufficient number of personnel will be available in case of an emergency during port stay?																								0	10
			Total score																				0	20		
			Minimum ranking score required for element 4606 = 20																							


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	5000	PREVENTION OF POLLUTION																									
	5200	Waste Management / Garbage Handling Onboard																									
	5200.14	Is it a company policy to perform a risk assessment before drafting Garbage Management Plan?																								0	10
	5200.15	Is it a company policy that the personnel responsible for collection, storage, processing and disposal of garbage is designated and familiarized?																								0	5
	5200.16	Does the company provide training/education programme for the crew in order to create awareness in relation to garbage management?																								0	5
	5200.17	Does the company have a policy to reduce garbage at the source?																								0	5
	5200.18	Does the company promote participating in the Global Observatory on Marine Litter?																								0	5
	5200.19	Does the company have a reporting system on lack of availability of reception facilities for certain types of garbage? (such as GISIS by IMO or equivalent)																								0	5
	5200.13	Are shipboard crew encouraged by the company to deliver garbage ashore?																								0	10
	5200.10	Is it a standard company practice that all operational waste is delivered ashore where reception facilities are available in order to minimise shipboard incineration and to reduce personnel exposure to toxic gases?																								0	10
	5200.20	Is it a company policy that plastic is never incinerated?																								0	10
	5200.21	Does the company provide guidelines to the crew members on sorting out of reusable and recyclable material?																								0	5
	5200.22	Is it a company policy that all reusable and recyclable material are always delivered to the port reception facilities or reused onboard?																								0	5
	5200.23	Does the company provide a list of hazardous garbage to create awareness among the crew (based on the current GESAMP list)?																								0	5
	5200.24	Does the company provide a procedure to the crew members on storage/handling of hazardous garbage? (carcinogenic, mutagenic and reprotoxic substances)																								0	5
	5200.25	Is it a company policy that all incinerated ashes and clinkers are always delivered to the port reception facilities?																								0	5
	5200.26	Is it a company policy that cargo residues are delivered to the reception facility as appropriate? (where reception facilities are available)																								0	10
	5200.27	Is it a company policy to use non harmful cleaning agents and additives for cleaning the cargo holds?																								0	10
	5200.28	Is it a company policy to use non harmful cleaning agents and additives for cleaning the deck and external surfaces?																								0	10
Total score																								0	120		
Minimum ranking score required for element 5200 = 75																											


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			5400	Air Emission Monitoring				0		0																
5400.10	Does company policy define the desired maximum level of NOx emissions, for main and auxiliary engines on existing ships? (max. level is below applicable Marpol limit)																								0	20
5400.11	Does company policy define the desired maximum (annual) average sulphur content of fuel? (below Marpol world-wide limit)																								0	20
5400.12	Does company policy define the desired maximum (annual) level of CO2 emissions? (Desired maximum level is a target which shows reduction of CO2 compared to a baseline level measurement per ship or for the fleet (baseline level is measurement of CO2 emissions before reduction measures are implemented)																								0	20
5400.13	Does company policy define the desired maximum level of particulate matter (PM) emissions? (Desired maximum level is a target which shows reduction of PM compared to a baseline level. The baseline level is a measurement (e.g. annual / per voyage / per quantity fuel consumed) before reduction measures are implemented)																								0	20
5400.14	Does the company collect emission monitoring data on a regular basis (minimum quarterly) from its fleet (or shore office carries out emission monitoring) & is this data used to set targets for continual improvement ? * Data is recorded on company format emission monitoring environmental report																								0	30
5400.21	Does the company familiarise the shipboard crew with the company policy on exhaust emission monitoring?																								0	20
Total score																							0	130		
Minimum ranking score required for element 5400 = 0																										
Air Emission Reduction																										
5410	NOx Emissions				0		0																			
5410.1	<u>For ships keel laid on/after 01-01-2000</u> Does the company have a policy to initiate measures to reduce NOx emissions, below the Marpol limit, on existing main engines?																								0	20
5410.2	<u>For ships keel laid on/after 01-01-2000</u> Does the company have a policy to initiate measures to reduce NOx emissions below the Marpol limit on existing auxiliary engines?																								0	20
5410.3	<u>For ships keel laid between 01-01-1990 and 01-01-2000</u> (see Revised Marpol Annex VI) Is it company policy to install an "approved method" for NOx reduction on diesel engines? * Installation takes place as soon as possible after "approved method" is certified by the administration * Applies to diesel engines power output >5,000 kW + per cylinder displacement at/above 90 litres																								0	40
Total score																							0	80		
Minimum ranking score required for element 5410 = 0																										


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													o														
		Measures taken to reduce NOx emissions																									
		Modified fuel injection valves																									
		Electronically Controlled Main Engine (Low NOx operation)																									
		Electronically Controlled Auxiliary Engines																									
		Dual Fuel* Engine (main engine &/or auxiliary engines) *engine capable of operating on fuel oil or natural gas																									
		Exhaust Gas Recirculation																									
		Scavenge air moisturisation system																									
		Selective catalytic reduction system																									
		Other :																									
5420		Sulphur Content of Fuel																									
	5420.1	Is a record of fuel suppliers from past voyages maintained in order to plan (where possible) future bunker supplies with lower sulphur content?																									
	5420.2	Is this information brought to the attention of the charterer?																									
	5420.7	Is it company policy to record statistics on average sulphur content of fuel for all bunker types? (per ship)																									
	5420.3	Is evidence available from previous statistics that the company has succeeded in reducing the annual average of sulphur content of fuel to max. 2.43%? (GA requirement) * Sulphur content = % volume ; data is taken from fuel quality test results * Data is recorded on company format emission monitoring environmental report																									
	5420.5	Is it company policy for vessels to <u>voluntarily</u> use low sulphur fuel (max. 0.50% sulphur) or an approved exhaust gas cleaning system during every port approach around the world? (If exhaust gas cleaning system used, sulphur content is measured with a SO2:CO2 ratio. Ratio of max. 21.7 is equal to 0.50% sulphur content).																									
	5420.6	Is it company policy for vessels to <u>voluntarily</u> use low sulphur fuel (max. 0.50% sulphur) or an approved exhaust gas cleaning system at anchor & during every port stay around the world? (If exhaust gas cleaning system used, sulphur content is measured with a SO2:CO2 ratio. Ratio of max. 21.7 is equal to 0.50% sulphur content).																									
		Total score																									
		0																									
		160																									
		Minimum ranking score required for element 5420 = 50																									
		Measures taken to reduce SOx emissions																									
		Low sulphur residual fuel (HFO)																									
		Low sulphur distillate (Marine Diesel Oil)																									
		Low sulphur distillate (Marine Gas Oil)																									
		Dual Fuel* Engine (main engine &/or auxiliary engines) *engine capable of operating on fuel oil or natural gas																									
		Exhaust gas scrubber																									
		Other :																									


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				5421	Ships required to carry out Fuel Change Over to low sulphur MARINE DIESEL OIL or low sulphur MARINE GAS OIL (low sulphur Distillates)					0																
	5421.1	Has the company carried out a safety assessment with respective manufacturers, for any necessary modifications to the vessel's boilers and each fuel system onboard? (modifications should be class approved)																							0	30
	5421.2	Does company policy require updated fuel change over procedures (company approved) to be available onboard for the main engine, auxiliary engines and boilers? (procedures should be available for each fuel type used onboard)																							0	10
																							Total score	0	40	
																							Minimum ranking score required for element 5421 = 40			
	5430	Particulate Matter (PM) Emissions					0																			
	5430.1	Are measures implemented on company vessels to reduce particulate matter (PM) emissions from the main engine ?																							0	20
	5430.2	Are measures implemented on company vessels to reduce particulate matter (PM) emissions from auxiliary engines ?																							0	30
	5430.3	Is a PM baseline measured for each ship? (Baseline is a measurement of annual PM emissions before reduction measures are implemented)																							0	10
	5430.4	Is an annual reduction of PM emissions recorded per ship? (relative to ship's PM baseline)																							0	20
	5430.5	Is it company policy to install an electronically controlled improved cylinder lubrication system on Main Engines of company ships? (system is installed & commissioned by engine manufacturer)																							0	30
																							Total score	0	110	
																							Minimum ranking score required for element 5430 = 0			
		Measures taken to reduce PM emissions					0																			
		Modified fuel injection valves																								
		Electronically Controlled Main Engine																								
		Electronically Controlled Auxiliary Engines																								
		Dual Fuel* Engine (main engine &/or auxiliary engines) *engine capable of operating on fuel oil or natural gas																								
		Low sulphur residual fuel (HFO) or low sulphur distillate fuel (MDO or MGO)																								
		Exhaust gas scrubber																								
		Adjustable vane turbochargers																								
		Other :																								


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			5440	CO2 emissions / Energy Efficiency				0		0																
5440.1	Is data for newbuild vessels, recently delivered or expected soon, provided to the vessel's flag state or industry association, to enable an assessment of the Energy Efficiency Design Index (EEDI)? (Reporting of actual ship data will assist with development of upcoming IMO regulations for the Energy Efficiency Design Index for future newbuilds)																							0	10	
5440.2	Has the company developed a Company Energy Efficiency Management Plan for its fleet? (The plan is an evaluation of energy efficiency measures appropriate for individual ships, and also procedures for implementation of these measures, monitoring of the fleet's energy efficiency & assessing whether the measures are effective.)																							0	20	
5440.3	Are Ship Energy Efficiency Management Plans - vessel specific - included in the Company Plan? (These plans include energy efficiency measures specific to the vessel and procedures for measurement, recording and reporting of energy efficiency. Responsibilities for shore and ship staff should be clearly divided. Administrative burden to the ship should be kept to a minimum.)																							0	20	
5440.4	Are documented procedures available in the Company Plan for familiarisation and training of shipboard personnel concerning implementation of energy efficiency measures and measuring/monitoring systems used onboard?																							0	10	
5440.5	Is an energy efficiency baseline measured for each ship (over the period of one year), using the IMO Energy Efficiency Operational Indicator and a Rolling Average? (baseline is a measurement of the ship's energy efficiency before improvement measures are implemented.)																							0	20	
5440.6	Alternative to 5440.5 & 5440.7 Is an energy efficiency baseline measured for each ship (over the period of one year), using a calculation of fuel consumption?																							0	10	
5440.7	Alternative to 5440.5 & 5440.6 Is an energy efficiency baseline measured for each ship (over the period of one year), using measurement of CO2 emissions from emission monitoring equipment? * Measurement unit = Energy Efficiency Operational Indicator (EEOI) or other units with conversion to EEOI ; * System is calibrated according to OEM or class instructions + Recording System is installed in a suitable location e.g. Air conditioned space																							0	20	
5440.8	Is an annual evaluation carried out in relation to energy efficiency measures implemented per ship? (The evaluation assesses effectiveness of measures implemented per ship. It includes use of monitoring tools such as the ship's Energy Efficiency Operational Indicator, fuel consumption or CO2 emission monitoring to measure improvements)																							0	20	
5440.9	Is an annual improvement in energy efficiency achieved on the company fleet? (shown by improvement of the Energy Efficiency Operational Indicator for individual ships, a reduction of fuel consumption fleet-wide or reduction of CO2 emissions fleet-wide as shown by monitoring equipment (measuring unit = EEOI)																							0	30	
Total score																							0	130		
Minimum ranking score required for element 5440 = 0																										


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			Energy efficiency measures implemented onboard company vessels																																										
			<i>For ease of use, measures are listed according to the INTERTANKO Guide for a tanker energy efficiency management plan (1st edition). Please note that measures should be applied according to company needs & individual ship characteristics. IMO guidelines (MEPC.1/Circ 683) also provide options to improve efficiency.</i>																																										
			Measures related to Voyage Optimisation																																										
			Measures related to Propulsion Resistance (hull & propeller)																																										
			Measures related to Machinery Optimisation																																										
			Measures related to Cargo Handling Optimisation																																										
			Accommodation-related measures																																										
			Other measures implemented onboard company vessels																																										
			Adjustable vane turbochargers																																										
			Electronically Controlled Main Engine																																										
			Electronically Controlled Auxiliary Engines																																										
			Dual Fuel* Engine (main engine &/or auxiliary engines) *engine capable of operating on fuel oil or natural gas																																										
			Integrated rudder / propeller design																																										
			Improved propeller design (e.g. larger propeller diameter combined with low rotational speed)																																										
			Propeller modification to restore optimal match between propeller speed & engine power (only in case of a "heavy running" propeller)																																										
			Towing kite system																																										
			Air lubricated hull design																																										
			Shore side electricity																																										
			Other :																																										
	5450		Newbuild policy																																										
	5450.1		Does the company policy for newbuilds implement additional measures to reduce harmful air emissions (NOx, SOx and PM) and improve energy efficiency (reduce CO2 or fuel consumption)?																																				0	40					
			Total score																																		0	40							
			Minimum ranking score required for element 5450 = 0																																										
	5460		Environmental Ship Index (ESI)																																										
	5460.1		Is it company policy for ships to participate in the Environmental Ship Index, where applicable? (The ESI is a project from the World Port Climate Initiative; its aim is to recognise ships whose air emissions are below regulatory limits and in doing so contribute to improvements in air quality and reduction of greenhouse gas emissions in the shipping sector).																																									0	50
			Total score																																			0	50						
			Minimum ranking score required for element 5460 = 0																																										


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			5500	Sewage Management																						
	Alternative 1: Sewage Treatment Plant																									
5500.1	Is it company policy to treat the sewage with a sewage treatment plant which uses minimal or no use of harmful chemicals?																							0	20	
5500.2	Is it company policy to sample and monitor the discharged effluent periodically to check the compliance with: 1. MEPC 159(55) for plants installed after 1st Jan 2010; 2. MEPC 227(64) for plants installed after 1st Jan 2016.																							0	15	
5500.4	Does the company have a procedure to monitor and address any non-compliance in the effluent standards?																							0	15	
	Alternative 2: Sewage comminuting and disinfecting system																									
5500.5	Is it company policy to sample and monitor the discharged comminuted and disinfected sewage to check the compliance with the below listed standards? 1. Faecal Coliform not exceeding 1000/100 cm3 2. Chlorine residual level not more than 0.5 mg/l.																							0	10	
	For all ships: Sewage Holding Tank																									
5500.6	Did the company perform a risk assessment to calculate the capacity of the holding tank?																							0	5	
			Total score																				0	55		
			Minimum ranking score required for element 5500 = 5																							
5510	Grey Water Management																									
5510.1	Is it company policy to install a sewage treatment plant capable of treating grey water?																							0	15	
5510.2	Is it company policy to not discharge grey water within coastal and port areas?																							0	10	
			Total score																				0	25		
			Minimum ranking score required for element 5510 = 0																							
5700	Ballast Water Management						0	0																		
5700.1	Does the company have ship-specific procedures/instructions (flag-approved according to IMO guidelines) for the control and management of ballastwater on board?																							0	20	
5700.2	Is it company policy that ship(s) participate in promising ballast water treatment testing programs? (program is to be approved by the ship's flag state)																							0	50	
5700.3	Does the company monitor regional / local requirements concerning the control of ballastwater and is this information forwarded to the company vessels?																							0	10	
5700.4	Is it company policy that relevant crew is properly familiarised with operational & safety aspects of ballast water management?																							0	10	
5700.5	Are tasks & responsibilities of shipboard personnel assigned to ballast water exchange operations defined, documented & controlled ?																							0	10	
5700.6	Does the office support the master in cases where the ship cannot reasonably be expected to carry out ballast water exchange?																							0	10	
			Total score																				0	110		
			Minimum ranking score required for element 5700 = 60																							


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			Lubrication and Use of Oils (Element nr.: 5810, 5811 & 5812)																																								
	5810		Stern tube lubrication																																								
	5810.1		Does the company install a class approved stern tube <u>water</u> lubricated system which uses <u>sea water</u> as a lubricant? (system includes water conditioning and monitoring equipment)																																								
	5810.6		Alternative for 5810.1 & 5810.3: Does the company install a class approved stern tube <u>water</u> lubricated system which uses <u>fresh water</u> as a lubricant? (system includes water and conditioning and monitoring equipment) *Additives used to maintain the condition of the water should be environmentally friendly.																																								
	5810.3		Alternative for 5810.1 & 5810.6: Is there a company policy to fit vessels with a class approved stern tube lubrication system with an <u>air type</u> or <u>void space seal</u> ?																																								
			Total score																																								
			0																																								
			60																																								
			Minimum ranking score required for element 5810 = 0																																								
	5811		Mooring wire lubrication																																								
	5811.1		Is it company policy to use a mooring wire lubricant / grease that is certified according to the EEL?																																								
			Total score																																								
			0																																								
			20																																								
			Minimum ranking score required for element 5811 = 0																																								
	5812		Deck equipment lubrication (use of oils)																																								
	5812.1		Is it company policy to use grease that is certified according to the EEL (all deck equipment)?																																								
	5812.2		Is it company policy to use gear oil that is certified according to the EEL (all deck equipment)?																																								
	5812.3		Is it company policy to use hydraulic oil that is certified according to the EEL in mooring and anchor appliances?																																								
	5812.4		Is it company policy to use hydraulic oil that is certified according to the EEL in crane appliances?																																								
	5812.5		Is it company policy to use hydraulic oil that is certified according to the EEL in hatch closing system?																																								
	5812.6		Due to characteristics of environmentally friendly lubricants (EEL certified) are extra measures taken into account for the applicable system if needed? (e.g. condition of seals & filters, temperature & condition of oil, prevention of humidity ingress etc.)																																								
			Total score																																								
			0																																								
			65																																								
			Minimum ranking score required for element 5812 = 0																																								


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			Office	(GCC)														
5820	Management of bilge water and sludge handling onboard																	
5820.1	Is it company policy to have a list of permitted chemicals and detergents used in machinery spaces available onboard in order to make ship crew familiar with the emulsifying characteristics in the ER bilge and sludge systems?																0	5
5820.2	Is it company policy, that the engineer responsible for the bilge water management and sludge handling, is provided with a training program by the ship manager? (Training includes: bilge water system and sludge handling, use and disposal of chemicals and detergents available onboard and the problems related to bilge water and sludge separation)																0	5
5820.3	Is it company policy to have an onboard familiarization checklist for the engine room personnel including sludge and bilge water management available?																0	5
5820.4	Is it company policy that all the ER personnel is familiarized with the tanks in which the ER drip trays, drains, scuppers, gutters are connected to (In order to ensure that these substances are collected in the right tanks) ?																0	5
5820.5	Is it company policy to include Sludge/Bilge and Soot collection tanks in the PMS for regular cleaning / inspection?																0	5
5820.6	Is it company policy to build vessels with bilge and sludge handling system in accordance with the MEPC.1/Circ. 642) guidelines?																0	5
															Total score		0	30
															Minimum ranking score required for element 5820 = 15			


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			5822	Outfitting of sludge handling system				0		0		0				0										
5822.1	Is it company policy to install a sludge collecting pump as per MEPC.1/Circ.642? (with the sole purpose of collecting the sludge from different ER tanks to the Oil Residue (Sludge) Tank)?																								0	5
5822.2	Is it company policy to install a separate sludge discharge pump with the purpose of discharging the sludge to reception facility?																								0	5
5822.3	Is it company policy to improve the efficiency and capacity of the Oily residue (sludge) service tank by installing: - a tank or system with the sole purpose of removing large quantities of water from the sludge? - a separate tank or system with the sole purpose of evaporating water from the sludge? - a separate tank or system with the purpose of mixing the sludge while incinerated (in incinerator or boiler)																								0	5
5822.4	Is it a company policy to install an incinerator, capable of incinerating sludge that contains more than 25% of water (certified to the standard of IMO MEPC.76(40) as amended by MEPC.93(45))?																								0	5
5822.5	Is it a company policy to install sludge decanters onboard with the purpose of using the sludge as a fuel.																								0	5
5822.6	Is it a company selection process to assign ships that always deliver all sludge to reception facilities?																								0	5
5822.7	Does the company manage ships which do not use HFO as a fuel (resulting in a limited sludge production) ?																								0	5
Total score																							0	35		
Minimum ranking score required for element 5822 = 5																										


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5900	Ship Recycling - Inventory of Hazardous Materials																												
	New buildings - For Owner / Managers and 3rd-party Ship Managers For 5900.1, 5900.12 and 5900.2																												
5900.1	Does the company require from the shipyard to develop the "Inventory of Hazardous Materials" (Part I) at the stage of design and/or construction? (requirement to be part of the building contract)																										0	40	
5900.12	Does the company require the shipyard to have procedures to require equipment-/machinery-suppliers to provide a "Material Declaration"? (used by the yard to develop the Inventory Part I) (requirement to be part of the building contract)																										0	10	
5900.2	Does the company require the shipyard to include in these procedures that the "Material Declaration" contains information on the safe removal of hazardous materials? (requirement to be part of the building contract)																										0	10	
	Existing ships - For Owner / Managers and 3rd-party Ship Managers For 5900.10, 5900.13 and 5900.3																												
5900.10	Is each Green Award-certified company vessel in the possession of an "Inventory of Hazardous Materials" (Part I completed) or a "Green Passport"?																										0	40	
5900.13	Alternative to 5900.10 and 5900.3: Are there company procedures implemented to initiate and complete over time all 5 steps of Part I of the "Inventory of Hazardous Materials" for each Green Award certified vessel in the fleet?																										0	20	
5900.3	Alternative to 5900.10 and 5900.13: Are there company procedures implemented to initiate as a minimum Step 1 of Part I of the "Inventory of Hazardous Materials" for each Green Award certified vessel in the fleet?																										0	15	
			Total score																							0	100		
					Minimum ranking score required for element 5900 = 40																								


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			5910	Ship Recycling - Policy for ships due to be recycled		0		0		0																
	For Owner / Managers only (Not applicable to 3rd-party ship managers)																									
5910.1	Has a company policy been implemented within the Management System that vessels due for recycling will only be sold directly to a recycling facility?																							0	20	
5910.2	Has a company procedure been implemented within the Management System to audit a recycling facility before "contract of sale"?																							0	40	
5910.3	Alternative to 5910.1 and 5910.2: Has a company policy been implemented within the Management System that vessels due for recycling will only be sold to a "cash buyer"?																							0	10	
5910.4	Has a company policy been implemented that the "contract of sale" will include the requirement to develop a "Ship Recycling Plan" by the recycling facility (in consultation with the owner) or does the "contract of sale" with the cash buyer include the obligation to request such a plan upon sale to the recycling facility?																							0	20	
5910.5	Has a company procedure been implemented within the Management System that a Final Survey, by an independent organization, will be carried out on the "Inventory of Hazardous Materials" (Part I, Part II and Part III) before delivery to either the recycling facility or cash buyer?																							0	20	
5910.6	(Preparation of vessel before delivery) Has a company procedure been implemented to ensure that the vessel's cargo spaces & other compartments where possible, will be delivered to either the recycling facility or cash-buyer in a "gas-free & safe for entry and hot work" condition?																							0	20	
5910.7	(Preparation of vessel before delivery) Has a company procedure been implemented to clearly mark all compartments which could have an oxygen deficient or dangerous atmosphere? (e.g. cofferdams, fuel oil tanks, waste oil tanks, black/grey water tanks, etc.)																							0	20	
Total score																							0	140		
Minimum ranking score required for element 5910 = 60																										


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	6000	MAINTENANCE / SURVEYS																										
	6100	Programme of Inspections & Cargo Hold Inspection / Maintenance						o		o																		
	6100.1	Has the company developed an internal technical inspection programme?																								0	10	
	6100.10	(For General Cargo Carriers) Alternative to 6100.1 Is it company policy to design new build vessels with a minimum fatigue life of 25 years North Atlantic?																								0	15	
	6100.2	Does the company have relevant previous survey and internal technical inspection reports?																								0	10	
	6100.11	(For General Cargo Carriers) Alternative to 6100.2 Are vessels subject to structural close up examinations supported by thickness measurements during each Special Survey.																								0	10	
	6100.3	Does the company have a repair history on each vessel?																								0	10	
	6100.12	(For General Cargo Carriers) Alternative to 6100.3 Is the extend of the structural examination before each Special Survey defined and increased at each next Special Survey.																								0	10	
	6100.4	Does the company have procedures/instructions for hull / ship's construction condition-inspections to be carried out by ship's personnel?																								0	20	
	6100.13	(For General Cargo Carriers) Alternative to 6100.4 Are the structural examination reports available onboard and with vessel's superintendent.																								0	20	
	6100.6	Does the company have information regarding the relevant maintenance level of the vessel?																								0	10	
	6100.14	(For General Cargo Carriers) Alternative to 6100.6 Are the structural examinations carried out by an independent organization.																								0	10	
	6100.7	Is an owner's inspection report available?																								0	10	
	6100.15	(For General Cargo Carriers) Alternative to 6100.7 Does the company provide the vessel's owner an annual condition report of each vessel.																								0	10	
	6100.8	Is it company policy that inspections of cargo holds are conducted before and after all unloading operations?																								0	20	
	6100.9	Is the restoration of damage to hold coatings caused by cargo operations included in the planned maintenance scheme?																								0	20	
																										0	115	
																										Total score		
																											Minimum ranking score required for element 6100 = 80	


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				6110	Critical and Stand-by Equipment	o		o		o																
	6110.1	Is the risk assessment carried out in order to create a list of critical equipment for every ship after intermediate survey (at least every 2.5 years)?																							0	10
	6110.2	Does the list of critical equipment include and specify stand-by equipment for every ship?																							0	10
	6110.3	Is the feedback from the ship considered in the process of creating a list of critical equipment? (eg. PMS reports)																							0	10
	6110.4	Is it company policy to categorize the ship into departments as per TMSA (OCIMF) in the process of creating a list of critical equipment?																							0	5
	6110.5	Is it company policy to install a Computer Based Program to register failures, break downs and near misses in order to have a constant event report on the systems?																							0	10
	6110.6	Are those event reports considered in creating a list of critical equipment?																							0	10
	6110.7	Is it company policy to install a Computer Based Program for spare parts management of critical equipment and stand-by equipment?																							0	10
	6110.8	Is it company policy to have safety stock inventory reports for critical equipment and stand-by equipment?																							0	10
			Total score																				0	75		
			Minimum ranking score required for element 6110 = 30																							
	6200	Mooring Equipment					o																			
	6200.1	Does the company have instructions for carrying out winch brake tests (to be carried out at least once a year or after an excessive load)?																							0	10
	6200.2	Does the company provide the ship with a winch brake test kit?																							0	5
	6200.5	Are inspection, maintenance and discard criteria for mooring wires and tails / fibre ropes established and carried out by a competent person? (time interval for inspection should be in the PMS)																							0	10
	6200.8	Do these criteria take manufacturer's recommendations into account ?																							0	10
	6200.9	Does the company give guidance for an additional examination after unusual events such as long periods of inactivity, excessive loads, heat exposure, loading/discharge at swell ports, etc?																							0	5
	6200.10	Does the company give instructions for internal inspections and do these inspections take manufacturer's recommendations into account?																							0	10
	6200.11	Are the lubricants & cleaning products compatible with the wire and approved by the wire manufacturer?																							0	5
	6200.6	Is a log for "workingdays" of mooring wires and tails / fibre ropes maintained? (to predict the point of discard & for evaluation of wire/rope performance)																							0	10
	6200.7	Does the company provide the ship(s) with an automatic wire rope lubricator?																							0	10
	6200.12	Alternative for 6200.7: (for fibre ropes) Are there procedures for care of fibre ropes?																							0	10
			Total score																				0	75		
			Minimum ranking score required for element 6200 = 45																							


CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																						
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			GENERAL MAN. Doc. & Impl.	QUALITY DEPT. Doc. & Impl.	TECHNICAL DEPT. Doc. & Impl.	NAUTICAL DEPT. Doc. & Impl.	PERSONNEL DEPT. Doc. & Impl.	OPER./CHART DEPT. Doc. & Impl.	PURCHASING DEPT. Doc. & Impl.	FINANCIAL DEPT. Doc. & Impl.	IT DEPT. Doc. & Impl.	INS. / CLAIM DEPT. Doc. & Impl.	NOT APPLICABLE									
6300	Corrosion Prevention of Seawater Ballast Tanks				0																0	20
6300.8	Is it company policy that ballast tanks of vessels delivered after 01-07-2012, are coated with a hard coating of a light colour?																				0	20
6300.1	For existing vessels: Are ballast tanks coated with a hard coating of a light colour?																				0	10
6300.6	For existing vessels: Are ballast tanks coated with dark epoxy maintained with a modified epoxy coating of a light colour, after safety benefit assessment is carried out?																				0	5
6300.7	Is the coating approved according to the IMO performance standard? (type approval or statement of compliance according to Res. MSC 215(82) in Coating Technical File)																				0	20
6300.4	Does the company have a system which ensures an adequate level of corrosion prevention of the seawater ballast tanks? (Protective coatings provided in ballast tanks has to be in a GOOD condition)																				0	10
6300.9	(For General Cargo Carriers) Alternative to 6300.4 Are guidelines available from company's Management System to instruct ship's staff how to assess the structural condition of Water Ballast Tanks.																				0	10
6300.5	Does the company require the corrosion prevention system to be part of the vessel maintenance system?																				0	10
Total score																			0	75		
Minimum ranking score required for element 6300 = 40																						
6400	Condition Assessment Program, Maintenance Additional Green Award requirements				0																0	
	For Owner/Managers																					
6400.1	Is it company policy that a condition assessment for <u>Hull</u> will be carried out on vessels more than <u>15 years old</u> , or by the <u>end of the 3rd special survey</u> , whichever is earlier?																				0	25
6400.8	Is it company policy that a condition assessment for <u>Cargo Systems</u> will be carried out on vessels more than <u>15 years old</u> , or by the <u>end of the 3rd special survey</u> , whichever is earlier?																				0	20
6400.9	Is it company policy that a condition assessment for <u>Machinery</u> will be carried out on vessels more than <u>15 years old</u> , or by the <u>end of the 3rd special survey</u> , whichever is earlier?																				0	20
	6400.10, 6400.11 & 6400.12 are alternatives to 6400.1, 6400.8 & 6400.9 For 3rd-party Ship Managers																					
6400.10	Is it company policy to request ship owners to carry out condition assessment for <u>Hull</u> on vessels more than <u>15 years old</u> , or by the <u>end of the 3rd special survey</u> , whichever is earlier?																				0	25
6400.11	Is it company policy to request ship owners to carry out condition assessment for <u>Cargo Systems</u> on vessels more than <u>15 years old</u> , or by the <u>end of the 3rd special survey</u> , whichever is earlier?																				0	20
6400.12	Is it company policy to request ship owners to carry out condition assessment for <u>Machinery</u> on vessels more than <u>15 years old</u> , or by the <u>end of the 3rd special survey</u> , whichever is earlier?																				0	20
6400.3	Is it company policy that maintenance meetings are carried out on board? (e.g. each month and at (all) sections on board)																				0	10
6400.4	Is a maintenance checklist used regarding the (monthly) maintenance inspection?																				0	10
6400.5	Is an evaluation report of vessel's performance sent to the company?																				0	20
6400.6	Is an annual technical report made by the Company's superintendent?																				0	15
Total score																			0	120		
Minimum ranking score required for element 6400 = 60																						


CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																										
Revision Code	Norm item	 <div style="border: 1px solid black; padding: 10px; display: inline-block; text-align: center;"> <h2 style="margin: 0;">RANKING</h2> <p style="margin: 0;">Office - BBU (GCC)</p> </div>	GENERAL MAN.	Doc. & Impl.	QUALITY DEPT.	Doc. & Impl.	TECHNICAL DEPT.	Doc. & Impl.	NAUTICAL DEPT.	Doc. & Impl.	PERSONNEL DEPT.	Doc. & Impl.	OPER./CHART DEPT.	Doc. & Impl.	PURCHASING DEPT.	Doc. & Impl.	FINANCIAL DEPT.	Doc. & Impl.	IT DEPT.	Doc. & Impl.	INS. / CLAIM DEPT.	Doc. & Impl.	NOT APPLICABLE	RANKING SCORE	RANKING MAX. SCORE	
			6600	Bulk Carrier Practice					0							0		0								
6600.1	Does the company provide sufficient spare parts for deck maintenance on board? (rubber gaskets, fittings, cleats etc.)																								0	20
6600.2	Is the number of spare parts required increasing as the ship grows older?																								0	20
																							Total score		0	40
																							Minimum ranking score required for element 6600 = 40			
6610	Alternative Green Award requirements (SOLAS XII) (For General Cargo Carriers)					0							0		0											
6610.1	Does the company assess the design and construction of new vessels (by e.g. an in-house naval-architect) with the aim to be able to withstand the strengths and to remain afloat in a satisfactory condition of equilibrium in all loading conditions in the scenario of any hold flooded ? (scenario applies to carriage of bulk cargoes).																								0	20
6610.2	Does the company assess the design and construction of new vessels to be able to withstand the strengths and to remain afloat in a satisfactory condition of equilibrium in all loading conditions in the scenario of the foremost hold flooded ? (scenario applies to carriage of bulk cargoes).																								0	20
6610.3	Is evidence available from existing vessels operated by the company that these vessels are capable to withstand the strengths and to remain afloat in a satisfactory condition of equilibrium in all loading conditions in the scenario of any hold flooded ? (scenario applies to carriage of bulk cargoes).																								0	10
6610.4	Is evidence available from existing vessels operated by the company that these vessels are capable to withstand the strengths and to remain afloat in a satisfactory condition of equilibrium in all loading conditions in the scenario of the foremost hold flooded ? (scenario applies to carriage of bulk cargoes).																								0	10
6610.5	Does the company have a policy to design and construct new vessels which can withstand the strengths during loading and discharging by standard loading / discharge equipment (e.g. grabs)																								0	10
																							Total score		0	70
																							Minimum ranking score required for element 6610 = 40			


CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																																										
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7000	CREW																																									
7100	Employment of Personnel																																									
7100.1	Is it company policy to employ all ship-personnel on a permanent basis?																								0	30																
	Alternatives for 7100.1																																									
7100.2	Is it company policy to employ senior officers on a permanent basis?																								0	10																
7100.3	Is it company policy to employ officers on a permanent basis?																								0	10																
7100.4	Is it company policy to employ ratings on a permanent basis?																								0	10																
			Total score																				0	30																		
			Minimum ranking score required for element 7100 = 0																																							
7200	Extra Personnel, Additional Green Award Requirement																																									
7200.1	Is it company policy to employ extra deck officers onboard in addition to what is required by minimum safe manning document?																								0	10																
7200.7	Is it company policy to employ extra engine officers onboard in addition to what is required by minimum safe manning document?																								0	10																
7200.2	Is it company policy to employ extra deck ratings onboard in addition to what is required by minimum safe manning document?																								0	10																
7200.6	Is it company policy to employ extra engine ratings onboard in addition to what is required by minimum safe manning document?																								0	10																
7200.3	Is it company policy to have a ship administrator onboard ? (In addition to the standard complement and extra deck-officers and -ratings above)?																								0	10																
7200.4	Is it company policy to employ riding squads to carry out extensive maintenance jobs ?																								0	10																
7200.8	Is it company policy that manufacturer service engineers routinely attend the vessel or provide remote monitoring assistance for maintenance/repair of technical equipment or systems ?																								0	10																
7200.9	Is it company policy to hire an electrical officer in addition to the engine officers required by the safe manning document?																								0	10																
			Total score																				0	80																		
			Minimum ranking score required for element 7200 = 40																																							

CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																										
Revision Code	Norm item	 <div style="border: 1px solid black; padding: 5px; text-align: center;"> <h2 style="margin: 0;">RANKING</h2> <h3 style="margin: 0;">Office - BBU (GCC)</h3> </div>	GENERAL MAN.	Doc. & Impl.	QUALITY DEPT.	Doc. & Impl.	TECHNICAL DEPT.	Doc. & Impl.	NAUTICAL DEPT.	Doc. & Impl.	PERSONNEL DEPT.	Doc. & Impl.	OPER./CHART DEPT.	Doc. & Impl.	PURCHASING DEPT.	Doc. & Impl.	FINANCIAL DEPT.	Doc. & Impl.	IT DEPT.	Doc. & Impl.	INS. / CLAIM DEPT.	Doc. & Impl.	NOT APPLICABLE	RANKING SCORE	RANKING MAX. SCORE	
				7300	Training / Courses for Personnel Additional Green Award Requirements & IMO Model Courses									0												
	7300.4	Is it company policy to provide a training for advanced fire fighting to the lower ranking deck officers (IMO 2.03) ?																							0	5
	7300.18	Is it company policy to provide a training for advanced fire fighting to the lower ranking engine officers (IMO 2.03) ?																							0	5
	7300.5	Does the company provide "onboard assessment/train the trainer" courses for the onboard management (IMO 1.30) ?																							0	10
	7300.6	Does the company provide simulator training /courses for officers involved in cargo and ballast handling ?																							0	15
	7300.7	Does the company provide "Marine Environmental Awareness" course (IMO 1.38) for all the ship personnel?																							0	10
	7300.21	Does the company provide "Marine Environmental Awareness" course (IMO 1.38) to the technical superintendents?																							0	5
	7300.22	Does the company provide "Marine Environmental Awareness" (IMO 1.38) to the HSQE manager ?																							0	5
	7300.8	Does the company provide bridge team management/ bridge resource management training / course for all deck officers (IMO 1.22) ?																							0	5
	7300.19	Does the company provide engine room resource management training/courses for all engine officers ?																							0	5
	7300.20	<u>Alternative for 7300.8 & 7300.19</u> Does the company provide maritime resource management course for all officers ?																							0	10
	7300.9	Does the company have a structured program for refresher and updated training of company related courses at suitable intervals for office and shipboard personnel?																							0	15
	7300.10	Is it company policy to employ cadets by providing training and education in order to recruit future officers?																							0	15
	7300.14	Does the company have a system in place to monitor officers' competence, training, time in rank and use it as a basis for promotion?																							0	10
	7300.15	Is the system as meant in 7300.14 audited and certified by an IACS member classification society?																							0	20
	7300.17	Is it company policy that all the officers are to complete Security Awareness Training ?																							0	5
																							Total score	0	130	
																							Minimum ranking score required for element 7300 = 50			









CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																						
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			GENERAL MAN. Doc. & Impl.	QUALITY DEPT. Doc. & Impl.	TECHNICAL DEPT. Doc. & Impl.	NAUTICAL DEPT. Doc. & Impl.	PERSONNEL DEPT. Doc. & Impl.	OPER. CHART DEPT. Doc. & Impl.	PURCHASING DEPT. Doc. & Impl.	FINANCIAL DEPT. Doc. & Impl.	IT DEPT. Doc. & Impl.	INS. / CLAIM DEPT. Doc. & Impl.	NOT APPLICABLE									
7400	Familiarisation, Additional Green Award Requirement																					
7400.1	Is it company policy that the shipboard crew after a period of absence or leave has been provided with familiarization of changes with regard to the operations/machinery which is related to their position ?																			0	20	
7400.2	Is it company policy that newly employed personnel are provided with familiarization with regard to operations/machinery which is related to their position ?																			0	20	
7400.9	Does the company have a method in which senior officers are deployed onboard within the company fleet? (eg. Senior officers returning to the same vessel)																			0	10	
7400.8	Does the company have a method in which junior officers are deployed onboard within the company fleet? (eg. Junior officers rotating among the companies fleet)																			0	10	
7400.10	In those cases when junior or senior officers are transferred to another class of ship that differ considerably from where their experience lie, is an onboard appropriate operational experience with previous off-signing officers implemented for a specific minimum period?																			0	10	
7400.4	Is it company policy that a company format handover report is requested from all off-signing officers onboard ?																			0	10	
																			Total score		0	80
																			Minimum ranking score required for element 7400 = 50			
7500	Safe Manning and Fatigue Management																					
7500.1	Is it a company policy to use a software programme to record the work/rest hours performed by the individual seafarer ?																			0	10	
7500.3	Is it a company policy that work/rest hours records onboard of the vessel are accessible and regularly updated ?																			0	10	
7500.4	Are reports of work/rest hours reviewed on regular basis ?																			0	10	
7500.2	Is there a company policy to monitor and address non compliance on STCW 2010 Manila amendments of work/rest hours ?																			0	10	
7500.5	Is there a company specific fatigue management plan available to ensure the health and the well being of the sea farers ?																			0	20	
7500.6	Is it company policy to integrate the fatigue management plan with the safety management system and monitor its implementation?																			0	5	
7500.7	Does the company have a system in which crew members are able to report on fatigue related issues?																			0	5	
																			Total score		0	70
																			Minimum ranking score required for element 7500 = 50			

CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																										
Revision Code	Norm item	 <div style="border: 1px solid black; padding: 10px; text-align: center;"> <h2 style="margin: 0;">RANKING</h2> <h3 style="margin: 0;">Office - BBU (GCC)</h3> </div>	GENERAL MAN.	Doc. & Impl.	QUALITY DEPT.	Doc. & Impl.	TECHNICAL DEPT.	Doc. & Impl.	NAUTICAL DEPT.	Doc. & Impl.	PERSONNEL DEPT.	Doc. & Impl.	OPER./CHART DEPT.	Doc. & Impl.	PURCHASING DEPT.	Doc. & Impl.	FINANCIAL DEPT.	Doc. & Impl.	IT DEPT.	Doc. & Impl.	INS. / CLAIM DEPT.	Doc. & Impl.	NOT APPLICABLE	RANKING SCORE	RANKING MAX. SCORE	
			9409	PROCESS CONTROL		Included in ISM: see BASIC criteria																				
9410	INSPECTION AND TESTING		Included in ISM: see BASIC criteria																							
9411	INSPECTION, MEASURING AND TEST EQUIPMENT						o																			
9411.1	Is an overview of certificates of these apparatus available?																								0	10
			Total score																							
			Minimum ranking score required for element 9411 =10																							
9412	INSPECTION AND TEST STATUS						o																			
9412.1	Are working procedures available?																								0	10
9412.2	Is a status quo report of e.g. coating of tanks available?																								0	10
			Total score																							
			Minimum ranking score required for element 9412 =20																							
9413	CONTROL OF NON CONFORMING PRODUCT		Included in ISM: see BASIC criteria																							
9414	CORRECTIVE ACTION		Included in ISM: see BASIC criteria																							
9415	HANDLING, STORAGE, PACKAGING AND DELIVERY												o													
9415.1	Is a vessel generally checked in order to meet the customer's requirements?																								0	10
9415.2	Are cargo/product specifics received from the customer and evaluated in comparison with the nominated vessel?																								0	10
9415.3	Is communication between charterer, office and ship traceable?																								0	10
			Total score																							
			Minimum ranking score required for element 9415 = 30																							
9416	QUALITY RECORDS		Included in ISM: see BASIC criteria																							
9417	INTERNAL QUALITY AUDITS		Included in ISM: see BASIC criteria																							
9418	TRAINING		Included in ISM: see BASIC criteria																							
9419	SERVICING		Not applicable																							
9420	STATISTICS (See also vessel requirements)				o		o		o		o		o		o		o		o		o					
9420.7	Is statistical data received from the vessels evaluated and used for improving performance?																								0	10
9420.8	Is evaluated statistical information distributed to departments concerned and are trends analyzed?																								0	10
			Total score																							
			Minimum ranking score required for element 9420 = 20																							

CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019						
Norm Item		TOTAL SCORE REVIEW OFFICE AUDIT - BBU (GCC)	OFFICE RANKING SCORE	MAXIMUM OBTAINABLE RANKING SCORE	MINIMUM RANKING SCORE REQUIRED	ELEMENTS WITH NO MINIMUM SCORE
1000	GENERAL					
1100	Data Monitoring and Recording Equipment		0	30	0	
1200	Enclosed Space Entry & Hot Work		0	100	100	
1300	Compressor for the refilling of air cylinders for breathing apparatus or alternative, Additional Green Award Requirement		0	20	10	
1400	Control of drugs & alcohol onboard		0	35	20	
1500	Emergency Response System		0	75	55	
1600	Computer Systems, Networks, Data Security and Training		0	65	40	
1610	Cyber Risk Management		0	50	30	
1700	Noise and Vibration Management		0	65	25	
1710	Underwater Noise and Vibration Management		0	30	0	
2000	NAVIGATION / BRIDGE OPERATIONS					
2100	Navigation		0	120	50	
2110	Electronic chart display & information systems / ECDIS		0	30	10	
2111	Electronic chart display & information systems / ECDIS		0	60	35	
2120	Fuel Change Over / Ballast Water Exchange		0	20	20	
2300	Mooring Operations		0	10	10	
3000	MACHINERY / ENGINE OPERATIONS					
3100	Bunker Operations		0	50	50	
3200	Fuel Oil Testing, Bunker Alerts & Marpol Bunkering Requirements & Additional Green Award requirements		0	90	70	
4000	CARGOES / CARGO OPERATIONS					
4600	Cargo Operations		0	60	20	
4601	Preparation of loading / unloading plan		0	100	80	
4602	Cargo handling and operations		0	40	30	
4606	Safety precautions during cargo operations		0	20	20	
5000	PREVENTION OF POLLUTION					
5200	Waste Management / Garbage Handling Onboard		0	120	75	
5400	Air Emission Monitoring		0	130	0	
5410	NOx Emissions		0	80	0	
5420	Sulphur Content of Fuel		0	160	50	
5421	Ships required to carry out Fuel Change Over to low sulphur MARINE DIESEL OIL or low sulphur MARINE GAS OIL (low sulphur Distillates)		0	40	40	
5430	Particulate Matter (PM) Emissions		0	110	0	
5440	CO2 emissions / Energy Efficiency		0	130	0	
5450	Newbuild policy		0	40	0	
5460	Environmental Ship Index (ESI)		0	50	0	
5500	Sewage Management		0	55	5	
5510	Grey Water Management		0	25	0	
5700	Ballast Water Management		0	110	60	
5810	Stern tube lubrication		0	60	0	

CHECKLIST - RANKING CRITERIA - OFFICE AUDIT - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019						
Norm Item		TOTAL SCORE REVIEW OFFICE AUDIT - BBU (GCC)	OFFICE RANKING SCORE	MAXIMUM OBTAINABLE RANKING SCORE	MINIMUM RANKING SCORE REQUIRED	ELEMENTS WITH NO MINIMUM SCORE
5811	Mooring wire lubrication		0	20	0	
5812	Deck equipment lubrication (use of oils)		0	65	0	
5820	Management of bilge water and sludge handling onboard		0	30	15	
5821	Outfitting of bilge water system		0	50	20	
5822	Outfitting of sludge handling system		0	35	5	
5900	Ship Recycling - Inventory of Hazardous Materials		0	100	40	
5910	Ship Recycling - Policy for ships due to be recycled		0	140	60	
6000	MAINTENANCE / SURVEYS					
6100	Programme of Inspections & Cargo Hold Inspection / Maintenance		0	115	80	
6110	Critical and Stand-by Equipment		0	75	30	
6200	Mooring Equipment		0	75	45	
6300	Corrosion Prevention of Seawater Ballast Tanks		0	75	40	
6400	Condition Assessment Program, Maintenance Additional Green Award requirements		0	120	60	
6600	Bulk Carrier Practice		0	40	40	
6610	Alternative Green Award requirements (SOLAS XII) (For General Cargo Carriers)		0	70	40	
7000	CREW					
7100	Employment of Personnel		0	30	0	
7200	Extra Personnel, Additional Green Award Requirement		0	80	40	
7300	Training / Courses for Personnel Additional Green Award Requirements & IMO Model Courses		0	130	50	
7400	Familiarisation, Additional Green Award Requirement		0	80	50	
7500	Safe Manning and Fatigue Management		0	70	50	
9000	REQUIREMENTS ACCORDING TO NEN-EN ISO 9001:2000					
9406	PURCHASING		0	60	60	
9407	PURCHASER SUPPLIED PRODUCT		0	40	40	
9408	PRODUCT IDENTIFICATION AND TRACEABILITY		0	20	20	
9411	INSPECTION, MEASURING AND TEST EQUIPMENT		0	10	10	
9412	INSPECTION AND TEST STATUS		0	20	20	
9415	HANDLING, STORAGE, PACKAGING AND DELIVERY		0	30	30	
9420	STATISTICS (See also vessel requirements)		0	20	20	
	TOTAL SCORES		0	3780	1770	

LEGEND


	Indicates which crew/employee may be interviewed/questioned.
	Shows that a certain item is complied.
	Shows that a certain item is <i>not</i> complied.
	Indicates that an alternative is used, hence the score for that item is a "0".
	The checklist was filled in incorrectly, thus shows "error".
	Indicates that the whole element did not reach the minimum score, hence a finding is issued. The number shows the scores obtained.
	Shows which elements are minimum = maximum. Hence scores on all items is required to fully comply.
	Indicates that the minimum score for the relevant element is "0", hence a finding will <i>not</i> be issued.


* for detailed interpretations of the colours and the usage of the checklist, please refer to the pdf-file named "Instruction Notes" located on www.greenaward.org under "Certification/ Download".

APPENDIX 3

CHECKLIST - BASIC CRITERIA - SURVEY - BULK CARRIER (GENERAL CARGO CARRIER)

(GMC-08)


CHECKLIST - BASIC CRITERIA - SHIP SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																				
Revision Code	Norm item	 <div style="border: 1px solid black; padding: 10px; text-align: center;"> <h2 style="margin: 0;">BASIC</h2> <h3 style="margin: 0;">Ship - BBU (GCC)</h3> </div>	MASTER	Doc. & Impl.	CHIEF OFFICER	Doc. & Impl.	DECK OFFICER	Doc. & Impl.	DECK RATING	Doc. & Impl.	CHIEF ENGINEER	Doc. & Impl.	ENGINEER OFFICER	Doc. & Impl.	ENGINEER RATING	Doc. & Impl.	CATERING PERSONNEL	Doc. & Impl.	NOT APPLICABLE	
				112	COMPANY VERIFICATION, REVIEW AND EVALUATION	o		o						o						
	112.1	Are internal audits carried out to verify whether safety and pollution-prevention activities and other procedures comply with the MS?																		
	112.4	Are results of the audits and reviews brought to the attention of all shipboard personnel having responsibility in the area involved?																		
		IMO ELEMENTS																		
	200	SOLAS 1974																		
	201	SOLAS General Provisions	o								o									
	201.1	Compliance with General Provisions																		
	211	Enhanced Surveys	o								o									
	211.1	(N/A for General Cargo Carriers) Is an enhanced survey performed and endorsed by a Classification Society?																		na
	213	Certificates and documents on board	o								o									
	213.1	Are all regulatory certificates valid ?																		
	200	SOLAS 1974																		
	215	Additional Safety Measures for Bulk Carriers	o		o															
	215.1	(N/A for General Cargo Carriers) Does the bulk carrier comply with the requirements of Ch. XII?																		na
	216	Maritime security	o																	
	216.1	Does the ship have a valid (interim) International Ship Security Certificate?																		
	216.2	Is the ship's crew familiarised in general with the principles of the ISPS Code (ship related) ?																		


CHECKLIST - BASIC CRITERIA - SHIP SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																			
Revision Code	Norm item	 <div style="border: 1px solid black; padding: 10px; text-align: center; margin-top: 10px;"> <h1 style="margin: 0;">BASIC</h1> <h2 style="margin: 0;">Ship - BBU (GCC)</h2> </div>	MASTER	Doc. & Impl.	CHIEF OFFICER	Doc. & Impl.	DECK OFFICER	Doc. & Impl.	DECK RATING	Doc. & Impl.	CHIEF ENGINEER	Doc. & Impl.	ENGINEER OFFICER	Doc. & Impl.	ENGINEER RATING	Doc. & Impl.	CATERING PERSONNEL	Doc. & Impl.	NOT APPLICABLE
				217	Safety of Navigation / SOLAS chart carriage requirements	○				○									
		Alternative 1 (217.1 - 217.4) : Compulsory carriage of ECDIS, with full official ENC coverage																	
	217.1	Is the ECDIS type-approved according to Res A 817(19) as amended by MSC 64 (67) and MSC 86 (70) or MSC.232(82)?																	
	217.3	Is an acceptable back-up arrangement in place? (an independent type-approved ECDIS with an independent position fixing system using official Electronic Navigational Charts (ENC's), or a full / reduced folio of up-to-date paper charts as relevant to the ship's voyage)																	
	217.4	Are all official ENCs up-to-date?																	
		Alternative 2 (217.1 - 217.4): Compulsory carriage of ECDIS, Navigation with official ENCs where available and official RNCs where ENCs are not available																	
	217.1	Is the ECDIS type-approved according to Res A817 (19) as amended by MSC 64 (67) and MSC 86 (70) or MSC.232(82)?																	
	217.2	Is the supplementary folio of paper charts acceptable for that part of the voyage where official RNCs are used ?																	
	217.3	Is an acceptable back-up arrangement in place? (an independent type-approved ECDIS with an independent position fixing system using official ENCs and Raster Navigational Charts where needed, or a full / reduced folio of up-to-date paper charts, as relevant to the ship's voyage)																	
	217.4	Are all official ENCs and RNCs up-to-date?																	
		Training & Onboard Use of ECDIS (Compulsory carriage of ECDIS)																	
	217.5	Have all deck officers and the master completed generic training in the use of ECDIS based on the IMO model course 1.27?																	
	217.6	Have all deck officers and master been familiarized with ECDIS unit(s) installed onboard?																	
	217.7	Is a risk assessment carried out for the operation of ECDIS which identifies and controls the hazards when using ENCs and (if used) when ECDIS is in RCDS mode?																	
	217.8	Are results from the assessment evident in the onboard procedures + instructions for ECDIS?																	
	217.9	Is the risk assessment and relevant onboard procedures + instructions reviewed on a regular basis (at least once a year or if circumstances require a review) ?																	
	218	Noise Levels On Board Ships																	
		<i>(Only applicable to new ships of a gross tonnage of 1,600 and above.)</i>																	
	218.1	Is the noise survey report available onboard?																	
	218.2	Are noise areas marked by placing relevant visible warning notices at the entrance to these areas? (IMO noise symbols)																	


APPENDIX 4


CHECKLIST - RANKING CRITERIA - SURVEY -
BULK CARRIER (GENERAL CARGO CARRIER)


(GMC-09)


CHECKLIST - RANKING CRITERIA - SHIP SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																			
Revision Code	Norm Item		<div style="border: 1px solid black; padding: 10px; text-align: center;"> <h1>RANKING</h1> <h2>Ship - BBU (GCC)</h2> </div>														RANKING SCORE	RANKING MAX. SCORE	
			MASTER	Doc. & Impl.	CHIEF OFFICER	Doc. & Impl.	DECK OFFICER	Doc. & Impl.	DECK RATING	Doc. & Impl.	CHIEF ENGINEER	Doc. & Impl.	ENGINEER OFFICER	Doc. & Impl.	ENGINEER RATING	Doc. & Impl.			CATERING PERSONNEL
2111	Electronic chart display & information systems / ECDIS																		
	Applicable to ships for which carriage of ECDIS is compulsory and Bulk Carriers which choose to use ECDIS as primary means of navigation on voluntary basis																		
2111.4	Is ECDIS hardware maintained and software updated?																	0	5
2111.5	Is ECDIS tested according to the IHO ECDIS data presentation and performance check with a use of test data set after every update of the software (including back up)?																	0	5
2111.6	Is the crew regardless of the generic training familiarized with the ECDIS unit(s) installed onboard according to the Industry Recommendations for ECDIS Familiarisation?																	0	15
2111.7	Have all the officers completed structured ECDIS training(s) on top of the generic training (besides the familiarization onboard in R2111.6)?																	0	5
2111.10	Does the voyage planning include checking if all needed charts are up-to-date (latest edition official chart updated and corrected to the latest available updates and NtM)?																	0	5
2111.11	Does the ECDIS procedure suggest display settings (layers) of ECDIS for various navigation conditions (arrival / departure - coastal - deep sea)?																	0	10
2111.12	Does the vessel have a basic folio of paper charts (in case second ECDIS is a back up system)?																	0	10
	Total score																	0	55
	Minimum ranking score required for element 2111 = 30																		
2120	Fuel Change Over / Ballast Water Exchange																		
2120.1	Does the voyage plan (checklist) include when fuel change over <u>should</u> be carried out?																	0	10
2120.2	Does the voyage plan (checklist) include when ballast water exchange <u>can</u> be carried out?																	0	10
	Total score																	0	20
	Minimum ranking score required for element 2120 = 20																		
2200	Helicopter / Ship Operations																		
2200.1	Are crew members who are involved in helicopter/ship operations trained in standards and procedures?																	0	10
2200.2	Is an action plan in case of a helicopter accident available?																	0	10
	Total score																	0	20
	Minimum ranking score required for element 2200 = 20																		
2300	Mooring Operations																		
2300.1	Does the company give procedures/instructions for mooring/unmooring operations?																	0	10
2300.2	Is new crew familiar with the operation and capabilities of the ship's mooring equipment?																	0	10
2300.3	Are specific mooring plans, which have been used at certain terminals, recorded?																	0	20
2300.4	Is a drawing of the mooring arrangement readily available on the bridge?																	0	10
	Total score																	0	50
	Minimum ranking score required for element 2300 = 30																		


CHECKLIST - RANKING CRITERIA - SHIP SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																														
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			0		0		0		0		0		0		0		0		0		0		0							
4602	Cargo handling and operations																													
4602.1	Is it company procedure that the ship shore safety checklist for loading or unloading dry bulk cargo carriers (MSC/Circ. 690) has to be used before loading/unloading operations?																									0	20			
4602.2	Does the company give procedures/instructions in relation to the entire cargo operations?																									0	20			
4602.3	Is ship's stability and loading information readily available, accurate and easy for the officers to use?																									0	10			
4602.4	Is the ship's officer in charge informed about remaining amount of cargo on the conveyor belt that must be loaded after a "STOP" ?																									0	10			
4602.5	Is the ship's officer in charge provided with loaded cargo weight at frequent intervals & at the end of each pour?																									0	10			
4602.6	Has the master received a written cargo declaration, before commencement of loading?																									0	10			
4602.14	(For General Cargo Carriers) Alternative to 4602.6 Has the density of the cargo been confirmed or tested by the charterer and evidence available onboard before commencement of loading. (in the scenario of loading dry-bulk cargoes)																									0	10			
4602.7	Does the company give procedures / instructions for handling of stevedores' damage?																									0	10			
4602.8	Is damage to the hatch covers, hatch coamings and associated fastenings directly reported with a written notice? (in order to make the person who caused the damage more careful in avoiding further damage)																									0	20			
4602.9	Is an effective deck watch in attendance on deck during cargo operations?																									0	10			
4602.10	Does the master have readily accessible information on the total quantity loaded, as well as the quantities per hour?																									0	10			
4602.11	Is a working procedure available with regard to deviations in the loading / unloading plan?																									0	20			
4602.12	Are hatch identification numbers clearly visible to the operator of the loading or unloading equipment? (e.g. location, size and colour)																									0	10			
4602.13	(N/A for General Cargo Carriers) Is it company policy that cargo which is liable to stick between frames is removed on time? (e.g. in order to prevent damage caused by pneumatic hammers, bulldozers etc.)																							na	0	0				
Total score																								0	160					
Minimum ranking score required for element 4602 = 120																														


CHECKLIST - RANKING CRITERIA - SHIP SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																																										
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5400	Air Emission Monitoring - For the purpose of Environmental Performance Monitoring																																									
5400.10	Is the vessel arranged with an approved monitoring & recording system for NOx ? (System is calibrated according to OEM or class instructions + Recording System is installed in a suitable location e.g. Air conditioned space)																																					0	20			
5400.17	Alternative to 5400.10 Do the ship staff / shore office monitor NOx emission values for marine diesel engines by means of calculation? (measuring units = g/kWh or other unit with conversion to g/kWh)																																					0	15			
5400.11	Is the vessel arranged with a monitoring & recording system for SOx ? (system is calibrated according to OEM or class instructions + Recording System is installed in a suitable location e.g. Air conditioned space)																																						0	20		
5400.18	Alternative to 5400.11 Do the ship staff / shore office monitor fuel sulphur content by means of fuel quality test results? (measuring units = % volume)																																						0	15		
5400.12	Is the vessel arranged with a monitoring & recording system for CO2 ? (system is calibrated according to OEM or class instructions + Recording System is installed in a suitable location e.g. Air conditioned space)																																							0	20	
5400.19	Alternative to 5400.12 Do the ship staff / shore office monitor CO2 emissions by means of fuel consumption calculations, or the ship's Energy Efficiency Operational Indicator?																																							0	15	
5400.13	Is the vessel arranged with a monitoring & recording system for PM (particulate matter) ? (system is calibrated according to OEM or class instructions + Recording System is installed in a suitable location e.g. Air conditioned space)																																								0	20
5400.20	Alternative to 5400.13 Do the ship staff / shore office monitor PM emissions, for example by calculation?																																							0	15	
5400.14	All Ships: Is the above data (emission values from monitoring & recording system or ship staff calculations) forwarded to the company on a regular basis? (minimum quarterly + data is recorded on company format emission monitoring environmental report)																																							0	10	
																			Total score															0	90							
																							Minimum ranking score required for element 5400 = 0																			


CHECKLIST - RANKING CRITERIA - SHIP SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																							
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					5500	Sewage Management																	
	Alternative 1: Sewage Treatment Plant																						
5500.1	Is the sewage treated with a sewage treatment plant which uses minimal or no use of harmful chemicals?																				0	20	
5500.2	Is the treated discharged effluent from the sewage treatment plant collected for sampling periodically for testing?																				0	15	
5500.3	Is the ship in possession of the periodical effluent tested sample reports?																				0	15	
5500.8	Is the sewage treatment plant regularly checked and maintained as per manufacturer's guidelines?																				0	15	
	Alternative 2: Sewage comminuting and disinfecting system																						
5500.5	Is the comminuted and disinfected sewage collected for sampling periodically for testing results?																				0	10	
5500.9	Is the comminuting and disinfecting system regularly checked and maintained as per manufacturer's guidelines periodically?																				0	10	
	For all ships: Sewage Holding Tank																						
5500.7	Is the sewage holding tank regularly checked and maintained?																				0	5	
																					0	70	
																					Total score		
5510	Grey Water Management																						
5510.1	Is the sewage treatment plant capable of treating grey water before being discharged?																				0	15	
5510.2	Is the grey water never discharged within the coastal and port areas?																				0	10	
																					0	25	
																					Total score		
5700	Ballast Water Management (BWM)																						
5700.1	Are there ship-specific procedures/instructions (flag-approved according to IMO guidelines) for the control and management of ballast water on board?																				0	10	
5700.2	Does the ship have any additional system / equipment to reduce harmful aquatic organisms and pathogens in ballast water? (e.g.UV-filtering system, heating system, filters etc.) (System is to be flag-approved according to IMO guidelines)																				0	40	
5700.3	Is the master aware of regional/local ballast water requirements?																				0	5	
5700.4	Is relevant crew properly familiarised with operational & safety aspects of ballast water management?																				0	10	
5700.5	Are tasks & responsibilities of shipboard personnel assigned to ballast water exchange operations defined, documented & controlled ?																				0	10	
5700.6	Is the master aware of cases where the ship cannot reasonably be expected to carry out ballast water exchange?																				0	5	
5700.7	Are sediment volumes monitored & recorded ?																				0	10	
5700.8	Does sediment disposal take place in port (to sediment reception facility) or at sea (more than 200nm from land and at depth greater than 200m) ?																				0	10	
	Alternative for 5700.1 - 5700.8																						
5700.9	Ship has official exemption from a party to the BW Convention (registration in BW record book and / or documented authorisation)																						
																					0	100	
																					Total score		

CHECKLIST - RANKING CRITERIA - SHIP SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																																	
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			5800	Accidental Bunker Oil Pollution Prevention Measures (overflow prevention systems)																													
5800.4	Are all fuel oil bunker tanks fitted with a high level alarm?																													0	5		
5800.5	Are all fuel oil bunker tanks fitted with a high-high level alarm?																														0	5	
5800.6	Are all fuel oil bunker tanks fitted with an overflow line that is connected to an overflow tank which is arranged with a level alarm?																														0	5	
5800.7	Are all fuel oil bunker tank overflow lines connected to an overflow tank and are they arranged with a flow alarm?																														0	10	
5800.8	Are high level alarms and/or (over) flow alarms given on the location where the person in charge of the bunkering or transfer operation will normally be located?																														0	5	
																		Total score		0	30												
																		Minimum ranking score required for element 5800 = 15															
5801	Protective location of fuel and lubrication oil tanks																																
5801.1	Are any tanks intended for fuel-oil or other substances, with a minimum capacity of 20m³, constructed at least B/15 or 2 metres above the keel level ?																												0	10			
5801.2	Are tanks for fuel oil protected by a double side ? (for ships below 20,000gt, width of double side to be at least 0.76m ; for 20,000gt and above, width to be at least 2 metres)																														0	40	
5801.3	Are all lubrication oil tanks constructed at least 0.76 metres above the keel line ?																													0	20		
																		Total score		0	70												
																		Minimum ranking score required for element 5801 = 20															
Lubrication and Use of Oils (Element nr.: 5810, 5811 & 5812)																																	
5810	Stern tube lubrication													0						0		0											
5810.1	Is the vessel fitted with a class approved stern tube <u>water</u> lubricated system which uses <u>sea water</u> as a lubricant? (system includes water conditioning and monitoring equipment)																														0	60	
5810.6	Alternative for 5810.1, 5810.3, 5810.4 and 5810.5 Is the vessel fitted with a class approved stern tube water lubricated system which uses <u>fresh water</u> as a lubricant? (system includes water conditioning and monitoring equipment) *Additives used to maintain the condition of the water should be environmentally friendly.																															0	50
5810.3	Alternative for 5810.1 and 5810.6: Is the vessel fitted with a class approved stern tube lubrication system with an <u>air type</u> or <u>void space seal</u> ?																														0	25	
5810.4	Alternative for 5810.1 and 5810.6: Does the vessel use a stern tube lubricant that is certified according to the EAL/EEL or equivalent?																															0	15
5810.5	Alternative for 5810.1 and 5810.6: Is the crew aware of characteristics of the environmentally friendly stern tube lubricant (EAL/EEL certified or equivalent) with respect to maintenance & its effect on the system if needed? (e.g. condition of seals & filters, temperature & condition of oil etc.)																															0	5
																		Total score		0	60												
																		Minimum ranking score required for element 5810 = 15															
5811	Mooring wire lubrication																																
5811.1	Does the vessel use a mooring wire lubricant / grease that is certified according to the EEL?																														0	20	
																		Total score		0	20												
																		Minimum ranking score required for element 5811 = 0															









CHECKLIST - RANKING CRITERIA - SHIP SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																								
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5821	Outfitting of bilge water system						0		0		0		0		0									
	Clean Drains (Drains that are normally not contaminated by oil)																							
5821.1	Does the bilge water from the Clean drain tank (for the collection of "clean drains" As per MEPC.1/Circ.642) pass through the Oily Water Separator with a Bilge Alarm (As per Marpol Annex 1)?																					0	5	
	Soot Collection Tank arrangement																							
5821.10	Is washwater from the economizer/boilers collected in a Soot separation / collection tank?																					0	5	
5821.11	Is a dedicated or independent pump arrangement available for the discharge from the Soot separation / collection tank to overboard?																					0	5	
5821.2	Are management instructions regarding disposal of soot and soot-water mixtures available onboard?																					0	5	
	Oily bilge water tank arrangement																							
5821.12	Is all Oily bilge water from the bilge wells/drains transferred to the Bilge Primary Tank or pre-separation system for pre-separation of oil and water?																					0	5	
5821.13	Is an Oily bilge water holding tank (Oily bilge water storage tank) available for the storage of oily bilge water?																					0	10	
5821.3	Is there a (floating) oil skimmer or equipment in the (oily) Bilge water holding tank or Bilge Primary Tank for effective and safe removal of sludge at the surface of the tank?																					0	10	
5821.5	Is Oily bilge water from the Oily bilge water holding tank pumped through the Oily Water Separator to the Clean water tank?																					0	5	
5821.14	Is Clean water from the Clean water tank pumped via an Oily Water Separator with Oil Content Meter (in compliance with Marpol Annex I)?																					0	5	
	Oil content meter																							
5821.6	Is the oil content meter with an automatic stopping device capable of measuring the difference between emulsifying particles and oil installed , as per IMO resolution MEPC.107(49)?																					0	5	
5821.7	Is there equipment (e.g. White Box) installed that stops the Oily Water Separator from discharging overboard when the Oil Content Meter is flushed/diluted with clean water.																					0	10	
5821.15	Is the authority for operating and maintaining the Oily Water Separator and Oil Content Meter with the master or this is automatically logged in the system?																					0	5	
5821.8	Is the Oily Water Separator equipped with a re-circulating facility for testing the device with the closed overboard discharge (As per IMO resolution MEPC.107(49) 6.1.1.) ?																					0	5	
	5821.9 is an alternative to 5821.1 - 5821.15 (all the above)																							
5821.9	Is all the bilge water from machinery spaces always delivered to reception facilities?																					0	80	
					Total score																0	80		
					Minimum ranking score required for element 5821 = 20																			

CHECKLIST - RANKING CRITERIA - SHIP SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019																																
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			9000	REQUIREMENTS ACCORDING TO NEN-EN ISO 9001:2000																												
9401	MANAGEMENT RESPONSIBILITY													Included in ISM: see BASIC criteria																		
9402	QUALITY SYSTEM													Included in ISM: see BASIC criteria																		
9403	CONTRACT REVIEW													Not Applicable																		
9404	DESIGN CONTROL													Not Applicable																		
9405	DOCUMENT CONTROL													Included in ISM: see BASIC criteria																		
9406	PURCHASING																															
9406.3	Are order specifications drawn up clearly?																													0	20	
9406.5	Does shipboard personnel have a working procedure regarding ordering spare parts?																													0	20	
														Total score										0	40							
														Minimum ranking score required for element 9406 = 40																		
9407	PURCHASER SUPPLIED PRODUCT																															
9407.2	Are the delivered goods immediately checked after delivery?																													0	20	
9407.3	Are non-conformities of the delivered goods registered?																													0	20	
														Total score										0	40							
														Minimum ranking score required for element 9407 = 40																		
9408	PRODUCT IDENTIFICATION AND TRACEABILITY																															
9408.1	Are working procedures available ? (Cargo, bunkers etc.)																													0	20	
9408.2	Is product identification registered?																													0	20	
														Total score										0	40							
														Minimum ranking score required for element 9408 = 40																		
9409	PROCESS CONTROL													Included in ISM: see BASIC criteria																		
9410	INSPECTION AND TESTING													Included in ISM: see BASIC criteria																		
9411	INSPECTION, MEASURING AND TEST EQUIPMENT																															
9411.1	Is an overview of certificates of these apparatus available?																													0	10	
														Total score										0	10							
														Minimum ranking score required for element 9411 = 10																		

CHECKLIST - RANKING CRITERIA - SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019						
Norm Item		TOTAL SCORE REVIEW SHIP SURVEY - BBU (GCC)	SHIP'S RANKING SCORE	MAXIMUM OBTAINABLE RANKING SCORE	MINIMUM RANKING SCORE REQUIRED	ELEMENTS WITH NO MINIMUM SCORE
1000	GENERAL					
1100	Data Monitoring and Recording Equipment		0	20	0	
1200	Enclosed Space Entry & Hot Work		0	70	70	
1300	Compressor for the refilling of air cylinders for breathing apparatus or alternative, Additional Green Award requirement		0	20	10	
1400	Control of drugs & alcohol onboard		0	20	20	
1500	Emergency Response System		0	80	60	
1600	Computer Systems, Networks, Data Security and Training		0	60	30	
1610	Cyber Risk Management		0	20	10	
1700	Noise and Vibration Management		0	50	15	
1710	Underwater Noise and Vibration Management		0	10	0	
2000	NAVIGATION / BRIDGE OPERATIONS					
2100	Navigation		0	120	40	
2110	Electronic chart display & information systems / ECDIS		0	50	10	
2111	Electronic chart display & information systems / ECDIS		0	55	30	
2120	Fuel Change Over / Ballast Water Exchange		0	20	20	
2200	Helicopter / Ship Operations		0	20	20	
2300	Mooring Operations		0	50	30	
3000	MACHINERY / ENGINE OPERATIONS					
3100	Bunker Operations		0	50	50	
3300	On-shore Power Supply		0	25	0	
3200	Fuel Oil Testing, Bunker Alerts, Marpol Bunkering Requirements & Additional Green Award requirements		0	100	70	
4000	CARGO OPERATIONS					
4500	Hull Stress Monitoring System		0	20	0	
4601	Preparation of loading / unloading plan		0	90	70	
4602	Cargo handling and operations		0	160	120	
4603	Safe work facilities during cargo operations		0	50	50	
4604	Communication during cargo operations, GA requirement for all cargoes		0	40	40	
4605	Inspections during cargo operations		0	70	40	
4606	Safety precautions during cargo operations		0	40	20	
4800	Cargo Operations, Additional Green Award requirements		0	70	0	
5000	PREVENTION OF POLLUTION					
5200	Waste Management / Garbage Handling Onboard		0	160	75	
5400	Air Emission Monitoring - For the purpose of Environmental Performance Monitoring		0	90	0	
5410	NOx Emissions		0	110	0	
5420	Sulphur Content of Fuel		0	140	0	
5421	Ships required to carry out Fuel Change Over to low sulphur Marine Diesel Oil or low sulphur Marine Gas Oil (low sulphur Distillates)		0	75	55	
5430	Particulate Matter (PM) Emissions		0	90	0	
5440	CO2 emissions / Energy Efficiency		0	60	0	
5460	Environmental Ship Index (ESI)		0	60	0	
5500	Sewage Management		0	70	5	
5510	Grey Water Management		0	25	0	
5700	Ballast Water Management (BWM)		0	100	50	

CHECKLIST - RANKING CRITERIA - SURVEY - BULK CARRIER (GENERAL CARGO CARRIER) - VERSION 2019						
Norm Item		TOTAL SCORE REVIEW SHIP SURVEY - BBU (GCC)	SHIP'S RANKING SCORE	MAXIMUM OBTAINABLE RANKING SCORE	MINIMUM RANKING SCORE REQUIRED	ELEMENTS WITH NO MINIMUM SCORE
5800		Accidental Bunker Oil Pollution Prevention Measures (overflow prevention systems)	0	30	15	
5801		Protective location of fuel and lubrication oil tanks	0	70	20	
5810		Stern tube lubrication	0	60	15	
5811		Mooring wire lubrication	0	20	0	
5812		Deck equipment lubrication (use of oils)	0	65	0	
5820		Management of bilge water and sludge handling onboard	0	20	15	
5821		Outfitting of bilge water system	0	80	20	
5822		Outfitting of sludge handling system	0	35	5	
5900		Ship Recycling - Inventory of Hazardous Materials	0	110	0	
6000		MAINTENANCE / SURVEYS				
6100		Programme of Inspections & Cargo Hold Inspection / Maintenance	0	55	55	
6110		Critical and Stand-by Equipment	0	30	10	
6200		Mooring Equipment	0	95	65	
6300		Corrosion Prevention of Seawater Ballast Tanks	0	70	40	
6400		Condition Assessment Program, Maintenance Additional Green Award requirements	0	120	60	
6500		Certificates for Cargo Gear	0	40	40	
6600		Bulk Carrier Practice	0	60	30	
6610		Alternative Green Award requirements (SOLAS XII) (For General Cargo Carriers)	0	160	70	
7000		CREW				
7200		Extra personnel, Additional Green Award Requirement	0	60	20	
7300		Training / Courses for Personnel, Additional Green Award Requirements & IMO Model Courses	0	55	20	
7400		Familiarisation, Additional Green Award Requirement	0	70	50	
7500		Safe Manning and Fatigue Management	0	60	40	
9000		REQUIREMENTS ACCORDING TO NEN-EN ISO 9001:2000				
9406		PURCHASING	0	40	40	
9407		PURCHASER SUPPLIED PRODUCT	0	40	40	
9408		PRODUCT IDENTIFICATION AND TRACEABILITY	0	40	40	
9411		INSPECTION, MEASURING AND TEST EQUIPMENT	0	10	10	
9412		INSPECTION AND TEST STATUS	0	40	40	
9415		HANDLING, STORAGE, PACKAGING AND DELIVERY	0	60	60	
9420		STATISTICS	0	30	20	
		TOTAL SCORES	0	3985	1850	

LEGEND

	Indicates which crew/employee may be interviewed/questioned.
	Shows that a certain item is complied.
	Shows that a certain item is <i>not</i> complied.
	Indicates that an alternative is used, hence the score for that item is a "0".
	The checklist was filled in incorrectly, thus shows "error".
	Indicates that the whole element did not reach the minimum score, hence a finding is issued. The number shows the scores obtained.
	Shows which elements are minimum = maximum. Hence scores on all items is required to fully comply.
	Indicates that the minimum score for the relevant element is "0", hence a finding will <i>not</i> be issued.

* for detailed interpretations of the colours and the usage of the checklist, please refer to the pdf-file named "Instruction Notes" located on www.greenaward.org under "Certification/ Download".

APPENDIX 5

CHECKLIST - VISUAL INSPECTION - SURVEY -
BULK CARRIER (GENERAL CARGO CARRIER)

(GMC-10)

Green Award Visual Inspection - Bulk Carrier (General Cargo Carrier)

Check Box	Norm item		Inspection Focus	Remarks
	10100	Machinery		
	10101	Reports		
	10101.1	Classification reports	Survey reports with recommendations and conditions of class, repairs	
	10101.2	State Authority reports	Survey reports, recommendations	
	10101.3	Company Reports	Inspection, repair, maintenance, planning, dry-dock reports by ship's staff and superintendents	
	10101.4	Inspection guidelines	Guidelines on the means of access to structures for inspection and maintenance of bulkers	
	10101.5	Other reports	Vetting reports by chartering companies and independent surveyors	
	10102	Engine Room		
	10102.1	Overall tidyness of E.R. space	Unsecured and loose material, tools and E.R. spare-parts	
	10102.2	General cleanliness of E.R.	Oil- & gas-free enviroment	
	10102.3	Storage E.R. equipment	Equipment stored at designated places	
	10102.4	Handling of general E.R. waste	General waste stored & handled properly	
	10102.5	Indication of E.R. emergency escapes	Clearly visible and not obstructed	
	10102.6	Save-alls	Oil, liquid and dirt free	
	10102.7	Workshop	Safety instructions near machinery (Grindstone, Lathe etc)	
	10103	Main Propulsion		
	10103.1	Exhaust gas lines	Leakage / condition of lagging, black spots and stripes / loose lagging	
	10103.2	Fuel lines H.P. & L.P.	H.P. pipes condition of protecting pipe/cover, L.P. pipes check leakage and heating tracings	
	10103.3	Cleanliness of cylinder heads	Fuel oil, cooling water, lub. Oil and exhaust gas leaks	
	10103.4	Instructions on emergency stand	Are there clear instructions available for changing over from normal to emergency conditions	
	10103.5	Condition of controllers / thermo couples & wiring	Loose wires, open doors of controllers	
	10103.6	Fuel oil system	Filters for leakage, purifiers cleanliness, area around purifiers	
	10103.7	Lub. Oil system	Filters and save-alls, purifiers condition	
	10103.8	Starting air system	Condition of starting air lines and valves	
	10103.9	Cooling water system	Condition of expansion bellows	
	10104	Auxiliary Engines		
	10104.1	General performance		
	10104.2	Leakage, condition of fuel oil, lub. oil lines	Cracks, corrosion and / or pipes connections not tight	
	10104.3	Auxiliary Engine bilge	Oil-, water-, corrosion- and dirt-free	
	10104.4	Emergency Generator	Condition and date last tested	
	10105	Boilers		
	10105.1	Steam or Thermal oil		
	10105.2	Condition of burner front	Oil leakage, and air leakage	
	10105.3	Lagging / isolation of fuel and steam lines	Condition of lagging	
	10105.4	Thermal Oil	Check possible leakages bellows / quick closing valves	
	10105.5	Boiler bilge / Save-all	Oil-, water-, corrosion- and dirt-free	

Green Award Visual Inspection - Bulk Carrier (General Cargo Carrier)

Check Box	Norm item		Inspection Focus	Remarks
	10100	Machinery		
	10106	Bilge System		
	10106.1	Cleanliness of bilges on every platform	Presence of oil, water, corrosion and / or dirt	
	10106.2	Bilge separator, position of all valves		
	10106.3	In port overboard valve sealed		
	10106.4	Condition and record regarding oily-bilge separator	Check Oil Record Book - Machinery Space Operations	
	10106.5	Bilge alarms	Alarms high level & high-high level in good condition	
	10106.6	Emergency Bilge Suction valve	Check condition / last time tested	
	10106.7	Double bottom sounding pipes	Check functioning self closing valves	
	10107	Ballast Pumps		
	10107.1	Condition of pumps	Check functioning of pumps	
	10107.2	Condition ballast-system	Functioning of all pumps combined	
	10107.3	Condition supports	Corrosion, cracks, deformation of pump-supports	
	10108	Piping Systems		
	10108.1	General condition	Check for leakage and / or temporary repairs	
	10108.2	Condition of piping supports	Check for corroded, broken and / or missing supports	
	10109	General Service Air Systems		
	10109.1	Condition of air and oil drains	Check good working	
	10109.2	Condition of pipe lines	Check for leakage and / or temporary repairs	
	10109.3	Condition of safety valves	Check free movement	
	10110	Chemicals		
	10110.1	Sufficient Personal Protecting Equipment available	Near storage place and users place	
	10110.2	Sufficient signboards available	Near storage place and users place	
	10110.3	Storage of chemicals according safety rules	According makers safety instructions	
	10111	Electrical		
	10111.1	Generator inspections during operation max. load		
	10111.2	Examination of cables without attachments	Cable supports bulkhead and deck penetrations	
	10111.3	Electrical equipments in acc. with danger zones	Zeners barriers etc.	
	10112	Inert Gas Plant (optional)		
	10112.1	Inert Gas system fully operational		
	10112.2	Condition of all instrumentation	Special O2 meter	
	10112.3	Condition of all alarms and trips	High and low level alarms etc.	
	10113	Sewage Plant		
	10113.1	Sewage Plant fully operational	Alarms, level switches etc.	
	10113.2	Position of valves correct	Check if the by-pass valves are closed	


Green Award Visual Inspection - Bulk Carrier (General Cargo Carrier)

Check Box	Norm item		Inspection Focus	Remarks
	10100	Machinery		
	10114	Fire Pumps		
	10114.1	Position of firepump valves	Are instructions available for position of valves	
	10114.2	General check of emergency firepump	Position of Fuel valve, Content of fuel tank etc.	
	10114.3	Operating instructions of firepump and drive-unit	Clear instruction board available	
	10115	Emergency Electrical Stops		
	10115.1	Emergency stops of general service pumps	Last time tested	
	10115.2	Emergency stops of steering gear pumps	Last time tested	
	10115.3	Emergency stops of fans	Last time tested	
	10116	Quick Closing Valves		
	10116.1	Condition of closing valve station	Check for clear instructions	
	10116.2	Condition of closing valves E.R.	Check for obstructions or other objects	
	10117	Gauge Glasses		
	10117.1	Condition of gauge glasses closing valves	Check proper working and if they are normal closed	
	10117.2	Condition gauge glasses lub. oil tanks	Check proper working and if they are normal closed	
	10117.3	Condition gauge glasses chemical tanks	Check proper working and if they are normal closed	
	10117.4	Condition gauge glasses fuel tanks	Check proper working and if they are normal closed	
	10118	Ventilation		
	10118.1	Fire flaps in trunks engine room	Check markers open/close and proper working	
	10118.2	Fire flaps	Check proper working	
	10119	Exhaust gases of machinery		
	10119.1	Emission of main engines	Content NOX en SOX	
	10200	Steering Gear		
	10201	SOLAS requirements		
	10201.1	Steering gear unit complies with SOLAS		
	10201.2	Steering gear room complies with SOLAS		
	10201.3	Steering gear unit - and room cleanliness	Check for hydraulic leaks, presence of water and / or oil in drip-trays	
	10202	Change over procedures		
	10202.1	Emergency steering gear change over procedures	Signs posted with instructions for emergency change-over	
	10202.2	Procedures for emergency change-over visible	Clearly visible near controls of steering gear unit	
	10203	Testing		
	10203.1	Emergency-steering tested recently	Check records in engine / deck logbook	
	10203.2	Steering Gear	Check records in engine / deck logbook. Testing before arrival and departure.	

Green Award Visual Inspection - Bulk Carrier (General Cargo Carrier)

Check Box	Norm item		Inspection Focus	Remarks
	10200	Steering Gear		
	10204	Charging emergency header tank		
	10204.1	Emergency header tank fully charged		
	10204.2	Fixed storage tank installed		
	10205	Compass		
	10205.1	Compass present in steering gear room		
	10205.2	Compass clearly visible from control-station		
	10206	Bridge Communications		
	10206.1	Satisfactory communications with bridge		
	10206.2	Telephone available and working		
	10206.3	Sound powered telephone available and working		
	10207	Visibility of Rudder Angle Indicator		
	10207.1	Rudder angle indicator present		
	10207.2	Rudder angle indicator visible at steering position		
	10208	Access to Steering Gear		
	10208.1	Entrance door to steering gear room closed	Door to be kept closed at all times and not lashed or blocked in open position	
	10208.2	Access to steering gear unit unobstructed	Steering gear room should be uncluttered with easy access to all components of the system	
	10208.3	Safety and protection measures fitted	Vessels > 10.000 GT should have railings around the steering gear and deck non-slip surface	
	10208.4	Bilge alarms	Alarms high level & high-high level in good condition	
	10300	(Cargo) / Ballast System		
	10301	Drawings / Diagrams Layout in Control Room		
	10301.1	All relevant drawings and diagrams available	Pipe Line diagrams, mimic diagrams etc should be available	
	10301.2	Drawings visible	Drawings clearly visible and understandable for operation	
	10301.3	Loading manual / history reports	Check for typical loading / unloading sequences	
	10302	Functioning of (Cargo) / Ballast Pumps		
	10302.1	Is every separate pump working		
	10302.2	Ballast pumps with temperature sensors		
	10302.3	Is all equipment combined working		
	10303	Meters / Displays inside control room		
	10303.1	Hull bending / Shear force indicator (*)	Check of working, approved and commonly used	
	10303.2	Loading instrument	Check of working, approved and commonly used	

Green Award Visual Inspection - Bulk Carrier (General Cargo Carrier)

Check Box	Norm item		Inspection Focus	Remarks
	10400	Structural		
	10401	Drawings		
	10401.1	Review of all relevant structural drawings	Overview structural design and scantlings	
	10402	Reports		
	10402.1	Classification reports	Survey reports with thickness readings, recommendations and conditions of class, repairs	
	10402.2	State Authority reports	Survey reports, recommendations	
	10402.3	Company Reports	Inspection reports, repair, maintenance and dry-dock reports by ship's staff and superintendents	
	10402.4	Inspection guidelines	Guidelines on the means of access to structures for inspection and maintenance of oil tankers	
	10402.5	Other reports	Vetting reports by chartering companies and independent surveyors	
	10403	External Hull		
	10403.1	Condition shell plating	Check for indents, cracks, paint-condition / corrosion, pitting and / or cargo stripes	
	10403.2	Condition from deck to light-loadline	Check reverse side lower-end topside ballast tanks and intersection vertical frames	
	10403.3	Condition boottop and deep-loadline	Check reverse side upper-end double bottom ballast tanks and intersection vertical frames	
	10403.4	Condition deep-loadline and flat bottom	Check bilge keels for wrong designs and bad welds	
	10403.5	Condition flat-bottom	Check reverse sides of longitudinal girders / transverse webs & transverse stools under bulkheads	
	10404	Cargo Hold		
	10404.1	General condition main-strength structure		
	10404.2	Condition shell frame	Check for cracks, leakages connecting brackets at upper - and lower side tanks	
	10404.3	Condition corrugated bulkheads	Check connection with upper- and lower stools	
	10404.4	Condition hatch-coamings	Checks connections hatch end beams and longitudinal hatch coamings	
	10404.5	Condition corrosion protection systems	Check condition coating and / or sacrificial anodes	
	10404.6	Corrosion locations	Locate corrosion on frames/brackets, shell-plating, tanktop, bilges, hopper-surfaces	
	10404.7	Grab deformations / damage	Check for indents, cracks and / or deformations on all structural hold-parts	
	10404.8	Shovel/hydraulic hammer deformations / damage	Check for deformations and / or damages near bulkheads, brackets, stringers, webs, girders	
	10404.9	Condition access platforms, walkways and ladders	General condition of all supports (damages, corrosion and / or cracks)	
	10404.10	Condition pipelines and valves	Check for leakages / corrosion, temporary repairs and patches (also protection guards)	
	10404.11	Bilge wells and strainer	Check content bilge and free of cargo	
	10405	Hatch Covers and Coamings		
	10405.1	Condition structural integrity hatch	Check main-strength members and general condition	
	10405.2	Condition hatch-plating	Check for grab-damages, deformations on top-, side-, fore- and aft-plating and connection-syst.	
	10405.3	Condition framing	Damages, corrosion inside frames of covers	
	10405.4	Condition rails, rollers, pins and supports	Greasing, usage of rollers, even support of rails and rollers (straight surface of support)	
	10405.5	Condition hatchcover clamping and securing devices	Greasing, working	


Green Award Visual Inspection - Bulk Carrier (General Cargo Carrier)

Check Box	Norm item		Inspection Focus	Remarks
	10400	Structural		
	10405	Hatch Covers and Coamings		
	10405.6	Condition gaskets and channels		
	10405.7	Condition of watertightness	Visual check of weather- and watertightness of hatches (focus on hatches hold # 1 & # 2)	
	10405.8	Condition hatch-cover operating system	Check for hydraulic leakages at hydraulic motors & lines, condition of all supports, deformation	
	10406	Topside Ballast Tanks		
	10406.1	Condition structural integrity	Check main-strength members and general condition	
	10406.2	Condition brackets, stringers, webs and girders	Check for deformations, fractures, damages, leakages	
	10406.3	Condition webs	Check webs near connection with longitudinal at shell and bulkheads	
	10406.4	Condition brackets	Check connection brackets as support for transverse shell frames in cargo-holds	
	10406.5	Corrosion pattern	Locate corrosion in deckhead-, bulkhead (near bunkers) areas, bottom- and longitudinal-plates	
	10406.6	Condition pipelines and valves	Check for leakages and corrosion , temporary repairs and patches, hydraulic leaks overhead-area	
	10406.7	Condition access platforms, walkways and ladders	General condition of all supports, corrosion, cracks etc.	
	10407	Double Bottom Ballast Tanks (including hopper)		
	10407.1	Condition structural integrity	Check main-strength members and general condition	
	10407.2	Condition bulkhead-, bottom-plating, web,stiffeners	Check for deformations, fractures, damages, leakages	
	10407.3	Condition girders and transverse web-frames	Check intersection with longitudinal girders and transverse webs (focus area outer-shell)	
	10407.4	Condition girders and corrugated bulkheads	Check longitudinal girder under hopper and transverse stool under corrugated bulkhead	
	10407.5	Condition brackets	Check bracket-ends and toe-ends of stringers, webs and girders	
	10407.6	Condition webs	Check connection of webs with longitudinals at shell and bulkheads	
	10407.7	Corrosion protection	Check coating, sacrificial anodes	
	10407.8	Corrosion pattern	Locate corrosion near bulkhead stools, plating, surfaces and areas with sediment	
	10408	Void Spaces / Cofferdams / Pipe duct		
	10408.1	Condition structural integrity	Check main-strength members, any non-continous structural material and general condition	
	10408.2	Condition brackets, stringers, webs and girders	Check for deformations, fractures, damages, leakages	
	10408.3	Corrosion pattern	Locate corrosion in deckhead-, bulkhead (near bunkers) areas, bottom- and longitudinal-plates	
	10408.4	Condition pipelines and valves	Check for leakages and corrosion , temporary repairs and patches, hyraulic leaks overhead-area	
	10408.5	Condition access platforms, walkways and ladders	General condition of all supports, corrosion, cracks etc.	
	10409	Bunker Oil Tanks		
	10409.1	Condition structural integrity	Check main-strength members, any non-continous structural material and general condition	
	10409.2	Condition brackets, stringers, webs and girders	Check for deformations, fractures, damages, leakages	
	10409.3	Corrosion pattern	Locate corrosion in deckhead-, bulkhead areas, bottom- and longitudinal-plates	
	10409.4	Condition pipelines and valves	Check for leakages and corrosion , temporary repairs and patches, hydraulic leaks overhead-area	
	10409.5	Condition access platforms, walkways and ladders	General condition of all supports, corrosion, cracks etc.	

Green Award Visual Inspection - Bulk Carrier (General Cargo Carrier)

Check Box	Norm item		Inspection Focus	Remarks
	10400	Structural		
	10410	Main Deck & Fittings		
	10410.1	Deck plating - deformations	May indicate problems from underneath, stiffeners or underneath deck-plating	
	10410.2	Deck plating - fractures	May indicate substantial corrosion and / or local stress areas	
	10410.3	Deck plating - damages	Caused by collisions and / or grab damage	
	10410.4	Coaming corners	Check corner areas and underneath bracket-supports for damage / corrosion	
	10410.5	Tank entrances and deck openings	Condition check covers and closing devices	
	10410.6	Pipeline couplings, flanges, branches and supports	Condition check, deformation, cracks, corrosion, tightness	
	10410.7	Closing appliances for ventilation	Condition check covers and closing devices	
	10410.8	Bunker and oil tank derating pipes	Check flame screens and coamings	
	10411	Accomodation & Machinery Spaces		
	10411.1	Structural integrity	General condition, damages & defects	
	10411.2	Doors, windows, ventilation ducts, closing devices	Condition check and water tightness	
	10411.3	Stairs and platforms	Condition check, corrosion / deformations	
	10411.4	Pipelines, valves, couplings, overboard connection	Condition check	
	10411.5	Safety equipment	Condition check CO2, Halon system, extinguishers, fire hoses, alarms etc.	
	10411.6	Certificates for safety equipment		
	10412	Mooring equipment		
	10412.1	Mooring lines	Condition mooring lines	
	10412.2	Winches	Foundation bolts firm, casing crack-, corrosion-free, no leakages and save-all	
	10412.3	Condition winch-brakes	Check last test report and thickness linings	
	10413	Anchoring equipment		
	10413.1	Anchors, anchor shackles and chain	Wear, corrosion, clearances inside hawser pipe	
	10413.2	Anchor winch and associated gear	Foundation, no leakages, condition of brakes, hinges and hinge plates	
	10413.3	Anchor securing	Condition and workable	

Green Award Visual Inspection - Bulk Carrier (General Cargo Carrier)

Check Box	Norm item		Inspection Focus	Remarks
	10500	Safety / Rescue		
	10501	Safety equipment		
	10501.1	Certificates	Check certificates, reports and safety drills	
	10501.2	Safety plan	Check available and clearly visible	
	10502	Rescue equipment		
	10502.1	Life boat + davits	Check condition (incl. Kathodic wear) and working order	
	10502.2	Rescue boat + davits	Check condition (incl. Kathodic wear) and working order	
	10502.3	Life rafts + release system	Check condition (incl. Kathodic wear) and working order	
	10502.4	Accommodation ladders, pilot ladders and gangway	Check condition and working order	
	10502.5	Life jackets	Check condition and working order	
	10502.6	Life bouys	Check condition (incl. Kathodic wear) and working order	
	10503	Fire fighting		
	10503.1	CO2 / Halon system	Pressure gauges / indicators on bottles / pipelines / nozzles	
	10503.2	Foamtank	Content / Filling	
	10503.3	Fire control plans	Check available and clearly visible	
	10503.4	Portable fire extinguishers	Check ready for use	
	10503.5	Fireman's outfit	Check ready for use, easily accessable	
	10503.6	Breathing Apparatus charging compressor	Check ready for use, easily accessable	
	10503.7	International Ship/Shore Fire connection	Check available both sides	
	10503.8	Fire alarm system and detectors	Check test records, condition in accommodation, ER and boiler room	
	10503.9	Fire flaps and vent stops	Check condition on deck, accommodation, ER and boiler room and clearly marked	
	10503.10	Fire lines	Check condition on deck, accommodation, ER and boiler room	
	10503.11	Fire hoses	Check condition on deck, accommodation, ER and boiler room	
	10503.12	Fire system for scavenging air receiver and boiler front	Check condition and working order separate fire fighting system	
	10504	Escape routes		
	10504.1	Free access	Check free access without obstructions	
	10504.2	Indicators	Check clear markers / positioning	
	10504.3	Emergency lighting	Check clear markers / positioning	