



**BUREAU  
VERITAS**

# **GREEN PASSPORT**

**January 2018**

**Rule Note  
NR 528 DT R03 E**

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**BUREAU  
VERITAS**

# MARINE & OFFSHORE - GENERAL CONDITIONS

## 1. INDEPENDENCY OF THE SOCIETY AND APPLICABLE TERMS

- 1.1. The Society shall remain at all times an independent contractor and neither the Society nor any of its officers, employees, servants, agents or subcontractors shall be or act as an employee, servant or agent of any other party hereto in the performance of the Services.
- 1.2. The operations of the Society in providing its Services are exclusively conducted by way of random inspections and do not, in any circumstances, involve monitoring or exhaustive verification.
- 1.3. The Society acts as a services provider. This cannot be construed as an obligation bearing on the Society to obtain a result or as a warranty. The Society is not and may not be considered as an underwriter, broker in Unit's sale or chartering, expert in Unit's valuation, consulting engineer, controller, naval architect, manufacturer, shipbuilder, repair or conversion yard, charterer or shipowner; none of them above listed being relieved of any of their expressed or implied obligations as a result of the interventions of the Society.
- 1.4. The Services are carried out by the Society according to the applicable Rules and to the Bureau Veritas' Code of Ethics. The Society only is qualified to apply and interpret its Rules.
- 1.5. The Client acknowledges the latest versions of the Conditions and of the applicable Rules applying to the Services' performance.
- 1.6. Unless an express written agreement is made between the Parties on the applicable Rules, the applicable Rules shall be the rules applicable at the time of the Services' performance and contract's execution.
- 1.7. The Services' performance is solely based on the Conditions. No other terms shall apply whether express or implied.

## 2. DEFINITIONS

- 2.1. "**Certificate(s)**" means class certificates, attestations and reports following the Society's intervention. The Certificates are an appraisal given by the Society to the Client, at a certain date, following surveys by its surveyors on the level of compliance of the Unit to the Society's Rules or to the documents of reference for the Services provided. They cannot be construed as an implied or express warranty of safety, fitness for the purpose, seaworthiness of the Unit or of its value for sale, insurance or chartering.
- 2.2. "**Certification**" means the activity of certification in application of national and international regulations or standards, in particular by delegation from different governments that can result in the issuance of a certificate.
- 2.3. "**Classification**" means the classification of a Unit that can result or not in the issuance of a class certificate with reference to the Rules.
- 2.4. "**Client**" means the Party and/or its representative requesting the Services.
- 2.5. "**Conditions**" means the terms and conditions set out in the present document.
- 2.6. "**Industry Practice**" means International Maritime and/or Offshore industry practices.
- 2.7. "**Intellectual Property**" means all patents, rights to inventions, utility models, copyright and related rights, trade marks, logos, service marks, trade dress, business and domain names, rights in trade dress or get-up, rights in goodwill or to sue for passing off, unfair competition rights, rights in designs, rights in computer software, database rights, topography rights, moral rights, rights in confidential information (including know-how and trade secrets), methods and protocols for Services, and any other intellectual property rights, in each case whether capable of registration, registered or unregistered and including all applications for and renewals, reversions or extensions of such rights, and all similar or equivalent rights or forms of protection in any part of the world.
- 2.8. "**Parties**" means the Society and Client together.
- 2.9. "**Party**" means the Society or the Client.
- 2.10. "**Register**" means the register published annually by the Society.
- 2.11. "**Rules**" means the Society's classification rules, guidance notes and other documents. The Rules, procedures and instructions of the Society take into account at the date of their preparation the state of currently available and proven technical minimum requirements but are not a standard or a code of construction neither a guide for maintenance, a safety handbook or a guide of professional practices, all of which are assumed to be known in detail and carefully followed at all times by the Client.
- 2.12. "**Services**" means the services set out in clauses 2.2 and 2.3 but also other services related to Classification and Certification such as, but not limited to: ship and company safety management certification, ship and port security certification, training activities, all activities and duties incidental thereto such as documentation on any supporting means, software, instrumentation, measurements, tests and trials on board.
- 2.13. "**Society**" means the classification society "**Bureau Veritas Marine & Offshore SAS**", a company organized and existing under the laws of France, registered in Nanterre under the number 821 131 844, or any other legal entity of Bureau Veritas Group as may be specified in the relevant contract, and whose main activities are Classification and Certification of ships or offshore units.
- 2.14. "**Unit**" means any ship or vessel or offshore unit or structure of any type or part of it or system whether linked to shore, river bed or sea bed or not, whether operated or located at sea or in inland waters or partly on land, including submarines, hovercrafts, drilling rigs, offshore installations of any type and of any purpose, their related and ancillary equipment, subsea or not, such as well head and pipelines, mooring legs and mooring points or otherwise as decided by the Society.

## 3. SCOPE AND PERFORMANCE

- 3.1. The Society shall perform the Services according to the applicable national and international standards and Industry Practice and always on the assumption that the Client is aware of such standards and Industry Practice.

- 3.2. Subject to the Services performance and always by reference to the Rules, the Society shall:

- review the construction arrangements of the Unit as shown on the documents provided by the Client;
- conduct the Unit surveys at the place of the Unit construction;
- class the Unit and enters the Unit's class in the Society's Register;
- survey the Unit periodically in service to note that the requirements for the maintenance of class are met. The Client shall inform the Society without delay of any circumstances which may cause any changes on the conducted surveys or Services.

The Society will not:

- declare the acceptance or commissioning of a Unit, nor its construction in conformity with its design, such activities remaining under the exclusive responsibility of the Unit's owner or builder;
- engage in any work relating to the design, construction, production or repair checks, neither in the operation of the Unit or the Unit's trade, neither in any advisory services, and cannot be held liable on those accounts.

## 4. RESERVATION CLAUSE

- 4.1. The Client shall always: (i) maintain the Unit in good condition after surveys; (ii) present the Unit after surveys; (iii) present the Unit for surveys; and (iv) inform the Society in due course of any circumstances that may affect the given appraisal of the Unit or cause to modify the scope of the Services.

- 4.2. Certificates referring to the Society's Rules are only valid if issued by the Society.

- 4.3. The Society has entire control over the Certificates issued and may at any time withdraw a Certificate at its entire discretion including, but not limited to, in the following situations: where the Client fails to comply in due time with instructions of the Society or where the Client fails to pay in accordance with clause 6.2 hereunder.

## 5. ACCESS AND SAFETY

- 5.1. The Client shall give to the Society all access and information necessary for the efficient performance of the requested Services. The Client shall be the sole responsible for the conditions of presentation of the Unit for tests, trials and surveys and the conditions under which tests and trials are carried out. Any information, drawings, etc. required for the performance of the Services must be made available in due time.

- 5.2. The Client shall notify the Society of any relevant safety issue and shall take all necessary safety-related measures to ensure a safe work environment for the Society or any of its officers, employees, servants, agents or subcontractors and shall comply with all applicable safety regulations.

## 6. PAYMENT OF INVOICES

- 6.1. The provision of the Services by the Society, whether complete or not, involve, for the part carried out, the payment of fees thirty (30) days upon issuance of the invoice.

- 6.2. Without prejudice to any other rights hereunder, in case of Client's payment default, the Society shall be entitled to charge, in addition to the amount not properly paid, interests equal to twelve (12) months LIBOR plus two (2) per cent as of due date calculated on the number of days such payment is delinquent. The Society shall also have the right to withhold certificates and other documents and/or to suspend or revoke the validity of certificates.

- 6.3. In case of dispute on the invoice amount, the undisputed portion of the invoice shall be paid and an explanation on the dispute shall accompany payment so that action can be taken to solve the dispute.

## 7. LIABILITY

- 7.1. The Society bears no liability for consequential loss. For the purpose of this clause consequential loss shall include, without limitation:

- Indirect or consequential loss;
- Any loss and/or deferral of production, loss of product, loss of use, loss of bargain, loss of revenue, loss of profit or anticipated profit, loss of business and business interruption, in each case whether direct or indirect.

The Client shall save, indemnify, defend and hold harmless the Society from the Client's own consequential loss regardless of cause.

- 7.2. In any case, the Society's maximum liability towards the Client is limited to one hundred and fifty per-cents (150%) of the price paid by the Client to the Society for the performance of the Services. This limit applies regardless of fault by the Society, including breach of contract, breach of warranty, tort, strict liability, breach of statute.

- 7.3. All claims shall be presented to the Society in writing within three (3) months of the Services' performance or (if later) the date when the events which are relied on were first discovered by the Client. Any claim not so presented as defined above shall be deemed waived and absolutely time barred.

## 8. INDEMNITY CLAUSE

- 8.1. The Client agrees to release, indemnify and hold harmless the Society from and against any and all claims, demands, lawsuits or actions for damages, including legal fees, for harm or loss to persons and/or property tangible, intangible or otherwise which may be brought against the Society, incidental to, arising out of or in connection with the performance of the Services except for those claims caused solely and completely by the negligence of the Society, its officers, employees, servants, agents or subcontractors.

## 9. TERMINATION

- 9.1. The Parties shall have the right to terminate the Services (and the relevant contract) for convenience after giving the other Party thirty (30) days' written notice, and without prejudice to clause 6 above.

- 9.2. In such a case, the class granted to the concerned Unit and the previously issued certificates shall remain valid until the date of effect of the termination notice issued, subject to compliance with clause 4.1 and 6 above.

## 10. FORCE MAJEURE

- 10.1. Neither Party shall be responsible for any failure to fulfil any term or provision of the Conditions if and to the extent that fulfilment has been delayed or temporarily prevented by a force majeure occurrence without the fault or negligence of the Party affected and which, by the exercise of reasonable diligence, the said Party is unable to provide against.

- 10.2. For the purpose of this clause, force majeure shall mean any circumstance not being within a Party's reasonable control including, but not limited to: acts of God, natural disasters, epidemics or pandemics, wars, terrorist attacks, riots, sabotages, impositions of sanctions, embargoes, nuclear, chemical or biological contaminations, laws or action taken by a government or public authority, quotas or prohibition, expropriations, destructions of the worksite, explosions, fires, accidents, any labour or trade disputes, strikes or lockouts

## 11. CONFIDENTIALITY

- 11.1. The documents and data provided to or prepared by the Society in performing the Services, and the information made available to the Society, are treated as confidential except where the information:

- is already known by the receiving Party from another source and is properly and lawfully in the possession of the receiving Party prior to the date that it is disclosed;
- is already in possession of the public or has entered the public domain, otherwise than through a breach of this obligation;
- is acquired independently from a third party that has the right to disseminate such information;
- is required to be disclosed under applicable law or by a governmental order, decree, regulation or rule or by a stock exchange authority (provided that the receiving Party shall make all reasonable efforts to give prompt written notice to the disclosing Party prior to such disclosure).

- 11.2. The Society and the Client shall use the confidential information exclusively within the framework of their activity underlying these Conditions.

- 11.3. Confidential information shall only be provided to third parties with the prior written consent of the other Party. However, such prior consent shall not be required when the Society provides the confidential information to a subsidiary.

- 11.4. The Society shall have the right to disclose the confidential information if required to do so under regulations of the International Association of Classifications Societies (IACS) or any statutory obligations.

## 12. INTELLECTUAL PROPERTY

- 12.1. Each Party exclusively owns all rights to its Intellectual Property created before or after the commencement date of the Conditions and whether or not associated with any contract between the Parties.

- 12.2. The Intellectual Property developed for the performance of the Services including, but not limited to drawings, calculations, and reports shall remain exclusive property of the Society.

## 13. ASSIGNMENT

- 13.1. The contract resulting from these Conditions cannot be assigned or transferred by any means by a Party to a third party without the prior written consent of the other Party.

- 13.2. The Society shall however have the right to assign or transfer by any means the said contract to a subsidiary of the Bureau Veritas Group.

## 14. SEVERABILITY

- 14.1. Invalidity of one or more provisions does not affect the remaining provisions.

- 14.2. Definitions herein take precedence over other definitions which may appear in other documents issued by the Society.

- 14.3. In case of doubt as to the interpretation of the Conditions, the English text shall prevail.

## 15. GOVERNING LAW AND DISPUTE RESOLUTION

- 15.1. The Conditions shall be construed and governed by the laws of England and Wales.

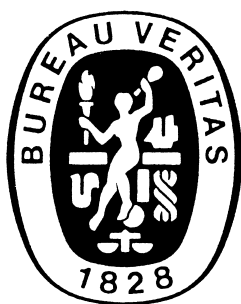
- 15.2. The Society and the Client shall make every effort to settle any dispute amicably and in good faith by way of negotiation within thirty (30) days from the date of receipt by either one of the Parties of a written notice of such a dispute.

- 15.3. Failing that, the dispute shall finally be settled by arbitration under the LCIA rules, which rules are deemed to be incorporated by reference into this clause. The number of arbitrators shall be three (3). The place of arbitration shall be London (UK).

## 16. PROFESSIONAL ETHICS

- 16.1. Each Party shall conduct all activities in compliance with all laws, statutes, rules, and regulations applicable to such Party including but not limited to: child labour, forced labour, collective bargaining, discrimination, abuse, working hours and minimum wages, anti-bribery, anti-corruption. Each of the Parties warrants that neither it, nor its affiliates, has made or will make, with respect to the matters provided for hereunder, any offer, payment, gift or authorization of the payment of any money directly or indirectly, to or for the use or benefit of any official or employee of the government, political party, official, or candidate.

- 16.2. In addition, the Client shall act consistently with the Society's Code of Ethics of Bureau Veritas. <http://www.bureauveritas.com/home/about-us/ethics+and+compliance/>



## RULE NOTE NR 528

# NR 528 GREEN PASSPORT

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<b>SECTION 1</b>	<b>GENERAL PRINCIPLES</b>
<b>SECTION 2</b>	<b>ASSIGNMENT OF THE GREEN PASSPORT AND GREEN PASSPORT EU NOTATIONS TO NEW SHIPS</b>
<b>SECTION 3</b>	<b>ASSIGNMENT OF THE GREEN PASSPORT AND GREEN PASSPORT EU NOTATIONS TO EXISTING SHIPS</b>
<b>SECTION 4</b>	<b>MAINTENANCE AND RENEWAL OF THE GREEN PASSPORT AND GREEN PASSPORT EU NOTATIONS</b>
<b>APPENDIX 1</b>	<b>MATERIALS PROHIBITED OR RESTRICTED ON NEW SHIPS OR NEW INSTALLATIONS</b>
<b>APPENDIX 2</b>	<b>LIST OF HAZARDOUS MATERIALS TO BE LISTED IN THE INVENTORY PART I</b>
<b>APPENDIX 3</b>	<b>STANDARD FORMAT OF THE INVENTORY PART I</b>
<b>APPENDIX 4</b>	<b>SUPPLIER'S DECLARATION OF CONFORMITY</b>
<b>APPENDIX 5</b>	<b>MATERIAL DECLARATION</b>
<b>APPENDIX 6</b>	<b>SUPPLEMENT TO THE MATERIAL DECLARATION FOR GREEN PASSPORT EU</b>

## **Section 1 General Principles**

<b>1</b>	<b>Application</b>	<b>5</b>
1.1	Scope	
1.2	Additional class notations GREEN PASSPORT and GREEN PASSPORT EU	
1.3	Materials not required to be listed in the Inventory Part I	
1.4	Documents to be submitted	
1.5	Reference documents	
1.6	Definitions	

## **Section 2 Assignment of the GREEN PASSPORT and GREEN PASSPORT EU Notations to New Ships**

<b>1</b>	<b>General</b>	<b>8</b>
1.1		
<b>2</b>	<b>Shipyard responsibilities</b>	<b>8</b>
2.1		
<b>3</b>	<b>Requirements for initial development of the Inventory Part I</b>	<b>8</b>
3.1	Development Process	
3.2	Collection of hazardous materials information	
3.3	Utilization of hazardous materials information	
3.4	Preparation of the Inventory	
<b>4</b>	<b>Acknowledgment of the Inventory Part I by the Society</b>	<b>9</b>
4.1		

## **Section 3 Assignment of the GREEN PASSPORT and GREEN PASSPORT EU Notations to Existing Ships**

<b>1</b>	<b>General</b>	<b>10</b>
1.1		
<b>2</b>	<b>Hazardous materials to be listed in the Inventory Part I</b>	<b>10</b>
2.1	Assignment of notation GREEN PASSPORT	
2.2	Assignment of notation GREEN PASSPORT EU	
<b>3</b>	<b>Requirement for initial development of the Inventory Part I</b>	<b>10</b>
3.1		
<b>4</b>	<b>Survey on board by the Society</b>	<b>12</b>
4.1		
<b>5</b>	<b>Acknowledgment of the Inventory Part I</b>	<b>13</b>
5.1		
<b>6</b>	<b>Acknowledgment of the implementation of a procedure on board the ship for maintaining the Inventory Part I</b>	<b>13</b>
6.1		

## **Section 4 Maintenance and Renewal of the GREEN PASSPORT and GREEN PASSPORT EU Notations**

1	General	14
1.1	Prohibited or restricted materials	
1.2	Maintenance and update of the Inventory Part I during operation	
1.3	Maintenance of the notation GREEN PASSPORT and GREEN PASSPORT EU	
1.4	Renewal of the notation GREEN PASSPORT and GREEN PASSPORT EU	

## **Appendix 1 Materials Prohibited or Restricted on New Ships or New Installations**

1	List of materials prohibited or restricted	15
1.1		

## **Appendix 2 List of Hazardous Materials to be Listed in the Inventory Part I**

1	General	17
1.1	List of hazardous materials to be listed for all ships	
1.2	List of hazardous materials to be listed for new ships and/or new installations	

## **Appendix 3 Standard Format of the Inventory Part I**

1	Reportings	19
1.1	Reporting of the location of the equipment, system and / or area	
1.2	Reporting of the approximate quantity	
1.3	Standard formats of the Inventory Part I	

## **Appendix 4 Supplier's Declaration of Conformity**

1	Form of Supplier's Declaration of Conformity (SDoC)	22
1.1		

## **Appendix 5 Material Declaration**

1	Form of material declaration	23
1.1		

## **Appendix 6 Supplement to the Material Declaration for GREEN PASSPORT EU**

1	Form of the supplement	26
1.1		



# SECTION 1

# GENERAL PRINCIPLES

## 1 Application

### 1.1 Scope

**1.1.1** This Rule Note provides the requirements for the assignment and the maintenance of the additional class notations **GREEN PASSPORT** and **GREEN PASSPORT EU**, as defined in [1.2], for ships or units classed by the Society, as follows:

- Sea-going ships as defined in NR467 Rules for Steel Ships
- Offshore units as defined in NR445 Rules for Offshore Units
- Inland navigation vessels/units, as defined in:
  - NR217 Rules for Inland Navigation Vessels
  - NR580 Rules for the Floating Establishment
  - NR612 Rules for Harbour Equipment
- Naval ships/units as defined in:
  - NR483 Rules for Naval Ships
  - NR535 Rules for Naval Submarines
- Yachts as defined in NR500 Rules for Yachts
- High Speed Craft as defined in NR396 Rules for High Speed Craft.

### 1.2 Additional class notations **GREEN PASSPORT** and **GREEN PASSPORT EU**

**1.2.1** The additional class notation **GREEN PASSPORT** or **GREEN PASSPORT EU**, as defined in NR467 Rules for Steel Ships, Part A, Ch 1, Sec 2, [6.14.14], may be assigned to ships for which an Inventory of Hazardous Materials (IHM, hereafter referred as Inventory Part I, see [1.6.4]) contained

in the equipment, systems, and/or areas on board the ship is developed or maintained in compliance with the requirements of this Rule Note.

Tab 1 provides details for additional class notation **GREEN PASSPORT** and **GREEN PASSPORT EU** in order to guide Owners and Designers in selecting an appropriate additional class notation.

### 1.3 Materials not required to be listed in the Inventory Part I

**1.3.1** Loosely fitted equipment, as defined in [1.6.3], are not to be listed in the Inventory Part I.

Those batteries containing lead acid or other hazardous materials that are fixed in place are to be listed in the Inventory Part I. Batteries that are loosely fitted, which includes consumer batteries and batteries in stores, are not to be listed.

Materials listed in App 2, Tab 2 or App 2, Tab 4 that are inherent in solid metals or metal alloys, such as steels, aluminium, brasses, bronzes, plating and solders, provided they are used in general construction, such as hull, superstructure, pipes or housings for equipment and machinery, are not to be listed in the Inventory Part I.

Although electrical and electronic equipment are required to be listed in the Inventory Part I, the amount of hazardous materials potentially contained in printed wiring boards (printed circuit boards) installed in the equipment does not need to be reported in the Inventory Part I.

### 1.4 Documents to be submitted

**1.4.1** The plans and documents to be submitted for the assignment of the notations **GREEN PASSPORT** and **GREEN PASSPORT EU** are listed in Tab 2.

**Table 1 : GREEN PASSPORT notations description**

Notation	Description
<b>GREEN PASSPORT</b>	The notation refers to ships complying with: <ul style="list-style-type: none"> <li>• the requirements of the Hong Kong Convention, 2009 and</li> <li>• the requirements, as applicable to ships flying the Flag of non-EU member State, of the Regulation (EU) No 1257/2013 of the European Parliament and of the Council of 20 November 2013 “on ship recycling and amending Regulation (EC) 1013/2006 and Directive 2009/16/EC”.</li> </ul>
<b>GREEN PASSPORT EU</b>	The notation refers to ships complying with: <ul style="list-style-type: none"> <li>• the requirements of the Hong Kong Convention, 2009 and</li> <li>• the requirements, as applicable to ships flying the Flag of EU member State, of the Regulation (EU) No 1257/2013 of the European Parliament and of the Council of 20 November 2013 “on ship recycling and amending Regulation (EC) 1013/2006 and Directive 2009/16/EC”.</li> </ul>

**Table 2 : Documentation to be submitted**

No.	I/R	Documentation
1	R	Inventory of Hazardous Materials (IHM) Part I
2	R	Diagram of the location of hazardous materials on board a ship
3	I	Development process and assessment report for the Inventory Part I
4	I	Visual/Sampling Check Plan and / or Random Check Plan
5	I	Report of Visual and Sampling Check
6	I	Materials Declaration
7	I	Supplier's Declaration of Conformity (SDoC)
8	I	Procedure and designated person for the maintenance of the Inventory Part I
<b>Note 1:</b> R = Requested for the assignment of notations <b>GREEN PASSPORT</b> and <b>GREEN PASSPORT EU</b> I = For information.		

## 1.5 Reference documents

**1.5.1** The following documents are given for reference:

- Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships, 2009 as set out in final Act of the Conference SR/CONF/46 (hereafter referred to as "Hong Kong Convention")
- Regulation (EU) No 1257/2013 of the European Parliament and of the Council on ship recycling
- EMSA 's Best Practice Guidance on the Inventory of Hazardous Materials
- 2015 Guidelines for the development of the Inventory of Hazardous Materials as set out in the annex to resolution MEPC.269(68)
- 2012 Guidelines for the survey and certification of ships under the Hong Kong Convention, as set out in the annex to the resolution MEPC.222(64).

## 1.6 Definitions

### 1.6.1 Existing ship

Existing ship means a ship which is not a new ship.

### 1.6.2 Hazardous Material

Hazardous Material means any material or substance which is liable to create hazards to human health and/or the environment.

For the purpose of the Rules Note it means Hazardous Material listed in App 2.

### 1.6.3 Loosely fitted equipment

Loosely fitted equipment means equipment or materials present on board the ship by the conditions other than "fixed", such as fire extinguishers, distress flares, and life-buoys.

### 1.6.4 Inventory Part I

Inventory Part I means the Inventory of Hazardous Materials (IHM) contained and/or potentially contained in the ship's structure and equipment, their location and approximate quantities.

The Inventory Part I does not cover operationally generated wastes; and stores.

### 1.6.5 New installation

New installation means the installation of systems, equipment, insulation, or other material on or after the 1st July 2017.

### 1.6.6 New ship

New ship means a ship contracted for construction with the additional classification notation **GREEN PASSPORT** or **GREEN PASSPORT EU** on or after the 1st July 2017.

### 1.6.7 Owner

Owner means the Registered Owner or the Disponent Owner or the Manager or any other party having the responsibility to keep the ship seaworthy, having particular regard to the provisions relating to the maintenance of class laid down in NR467 Rules for Steel Ships, Part A.

### 1.6.8 Sampling check

Sampling check is the taking of samples to identify the presence or absence of hazardous material contained in the equipment, systems, and/or areas, by suitable and generally accepted methods such as laboratory analysis).

### 1.6.9 IHM Expert Company

Employing or contracting individual IHM experts to conduct any relevant work or task in relation to the IHM process for the purpose of compiling or updating Inventories of Hazardous Materials. The IHM expert company should use a documented management system and should work on suitable standards, covering the relevant activities of the company.

### 1.6.10 Targeted sampling

Targeted sampling means a sampling that should take place during the preparation of the IHM of an existing ship in accordance with the relevant procedure of the IMO guidelines and should include any equipment, system and/or area which cannot be specified regarding the presence of hazardous material by document or visual analysis except those which are to be classed as 'Potentially Containing hazardous material (PCHM).

### 1.6.11 Random sampling

Random sampling means sampling that may be used as a quality assurance process and may take place for new ships during the design and construction stage, on existing ships during the initial preparation of the IHM along with targeted sampling or on any ship after the initial preparation of the Inventory Part I.

### 1.6.12 Supplier

Supplier means the company which provides products, including manufacturers, traders and agencies.



**1.6.13 Supply chain**

Supply chain means the progression of businesses involved in the supply and purchase of materials and goods from raw materials to final product.

**1.6.14 Survey**

Survey means an intervention by the Surveyor for assignment or maintenance of class as defined in NR467, Part A.

**1.6.15 Surveyor**

Surveyor means technical staff acting on behalf of the Society to perform tasks in relation to classification and survey duties.

**1.6.16 Threshold value**

Threshold value is defined as the concentration value in homogeneous materials.

# SECTION 2 ASSIGNMENT OF THE GREEN PASSPORT AND GREEN PASSPORT EU NOTATIONS TO NEW SHIPS

## 1 General

### 1.1

1.1.1 The **GREEN PASSPORT** or **GREEN PASSPORT EU** notation is assigned to a new ship, as defined in Sec 1, [1.6.6], upon satisfactory completion of the following steps:

- preparation of the Inventory Part I by the Shipyard
- acknowledgment of the Inventory by the Society.

## 2 Shipyard responsibilities

### 2.1

2.1.1 The Shipyard is responsible to ensure that equipment, machinery, coating or structural component used for the new construction do not to contain prohibited materials listed in:

- App 1, Tab 1 for the assignment of **GREEN PASSPORT** notation
- App 1, Tab 2 for the assignment of **GREEN PASSPORT EU** notation.

The Shipyard is responsible to prepare the Inventory at the design and construction stage as per requirements in Article [3].

The Shipyard is responsible to request to and collect from the upstream suppliers in the shipbuilding supply chain, a 'Supplier's Declaration of Conformity' with the present Rules and associated Material Declarations for each structural element, equipment, machinery and coatings fitted on board.

Random Check Plan and random sampling shall be conduct by IHM Expert company under the responsibility of the Shipyard.

The Shipyard is responsible for submitting the Inventory with the entire supporting Supplier's Declaration of Conformity, related Material Declarations and results of Random sampling to the Society.

## 3 Requirements for initial development of the Inventory Part I

### 3.1 Development Process

3.1.1 The process shall include three steps:

- a) collection of hazardous materials information
- b) utilization of hazardous materials information and
- c) preparation of the Inventory.

### 3.2 Collection of hazardous materials information

#### 3.2.1 Materials Declaration and Supplier's Declaration of Conformity

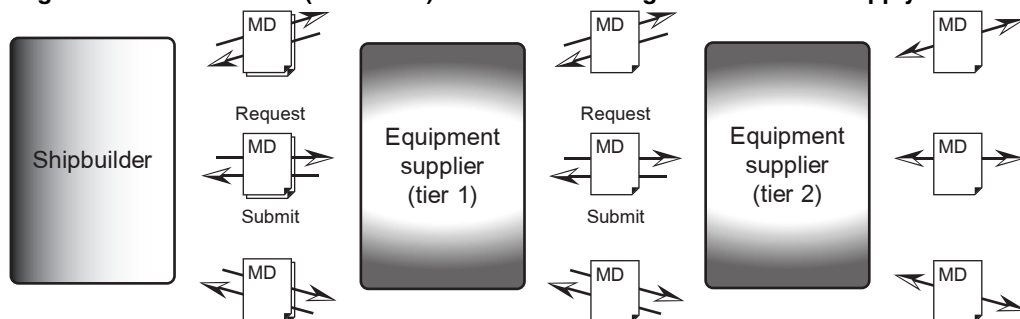
Materials Declaration (MD) and Supplier's Declaration of Conformity (SDoC) for products from suppliers (tier 1 suppliers) should be requested and collected by the shipyard.

Tier 1 suppliers may request from their suppliers (tier 2 suppliers) the relevant information if they cannot develop the MD based on the information available. Thus the collection of data on hazardous materials may involve the entire shipbuilding supply chain (see Fig 1).

Every Material Declarations shall be accompanied by a Supplier's Declaration of Conformity (SDoC).

SDoC and MD shall be drawn in the format provided in App 5. However, due regard shall be given to include in the MD form a supplement with a reference to the presence (or absence) of the two additional Hazardous Materials (PFOS and HBCDD). An example of the Supplement to the form of Material Declaration is shown in App 6.

Figure 1 : Process of MD (and SDoC) collection showing involvement of supply chain



### 3.2.2 Quality assurance policy

Shipbuilder shall establish a quality assurance policy for performing random checking of materials provided by the suppliers. This policy should take into account the type of the material, the location and the intended use on board the ship, the required life-time maintenance and the origin of the material. Additional information should also be taken into account e.g. historical data on products of a specific brand, information about HM on board sister ships already built etc.

Checking of the materials may include visual checking and/or random samples which will be tested by indicative or field testing and/or random samples to be tested by specific testing. Compiling a Random Check Plan (RCP) is not a prerequisite for conducting random sampling. However, it is recommended in order to support a more effective, rational and documented sampling campaign.

The personnel performing random sampling, the "IHM Expert", is to be properly qualified.

### 3.3 Utilization of hazardous materials information

#### 3.3.1 Assignment of notation GREEN PASSPORT

For new ships, hazardous materials defined in App 2, Tab 1 and App 2, Tab 2 are to be listed in the Inventory Part I as appropriate.

If one or more materials listed in App 2, Tab 1 are found to be present in concentrations above the specified threshold value according to the MD, the products which contain these materials shall not be installed on a ship. However, if the materials are used in a product in accordance with an exemption specified by the Hong Kong Convention (e.g. new installations containing hydrochlorofluorocarbons (HCFCs) before 1st January 2020), the product should be listed in the Inventory Part I.

If one or more materials listed in App 2, Tab 2 are found to be present in concentrations above the specified threshold value according to the MD, the products should be listed in the Inventory.

#### 3.3.2 Assignment of notation GREEN PASSPORT EU

For new ships, hazardous materials defined in App 2, Tab 3 and App 2, Tab 4 are to be listed in the Inventory Part I as appropriate.

If one or more materials listed in App 2, Tab 3 are found to be present in concentrations above the specified threshold value according to the MD, the products which contain these materials shall not be installed on a ship.

If one or more materials listed in App 2, Tab 4 are found to be present in concentrations above the specified threshold value according to the MD, the products should be listed in the Inventory.

### 3.4 Preparation of the Inventory

**3.4.1** The Inventory Part I Format is to follow the requirements detailed in App 3.

The Inventory Part I is to list all equipment, machinery, structural element or coatings for which the Supplier's Declaration of Conformity indicates they contain Hazardous Materials listed in App 2.

For each equipment, machinery, structural element or coatings listed in the Inventory Part I, the following information is to be indicated:

- the location of the equipment, machinery, structural element or coatings on board the vessel
- the approximate quantity of Hazardous Materials as declared in the Supplier's Declaration of Conformity and Material Declaration.

The equipment, machinery, structural element or coatings for which the Supplier's Declaration of Conformity and Material Declaration indicates they do not contain Hazardous Material are not to be listed in the Inventory.

## 4 Acknowledgment of the Inventory Part I by the Society

### 4.1

**4.1.1** The Society is to acknowledge the Inventory Part I based on:

- a sampling verification that information recorded in the Inventory Part I by the Shipyard is supported by a Supplier's Declaration of Conformity and related Material Declarations
- a survey on board aiming at verifying by sampling the location of the listed equipment, systems and/or areas.

## SECTION 3

# ASSIGNMENT OF THE GREEN PASSPORT AND GREEN PASSPORT EU NOTATIONS TO EXISTING SHIPS

### 1 General

#### 1.1

**1.1.1** The **GREEN PASSPORT** or **GREEN PASSPORT EU** notation is assigned to an existing ship, as defined in Sec 1, [1.6.1], upon satisfactory completion of the following steps:

- initial development process for the Inventory Part I including the Preparation of a Visual/Sampling Check Plan by the Owner
- preparation of the Inventory Part I by the Owner
- survey on board the vessel by the Society
- acknowledgment of the Inventory Part I by the Society
- acknowledgment of the implementation of a procedure on board the ship for maintaining the Inventory Part I by the Society.

The initial preparation of the Inventory Part I should be conducted by personnel with relevant expertise in the field of hazardous materials identification and shipboard knowledge under the responsibility of the Owner.

### 2 Hazardous materials to be listed in the Inventory Part I

#### 2.1 Assignment of notation GREEN PASSPORT

**2.1.1** For existing ships, hazardous materials defined in App 2, Tab 1 are to be listed in the Inventory Part I.

As far as practicable, hazardous materials defined in App 2, Tab 2 should be listed in the Inventory Part I.

If materials listed are present in products above the threshold values provided in App 2, Tab 1 or App 2, Tab 2, the quantity and location of the products and the contents of the materials present in them should be listed in the Inventory Part I.

Any spare parts containing materials listed in App 2, Tab 1 or App 2, Tab 2 are not to be listed in the Inventory Part I.

#### 2.2 Assignment of notation GREEN PASSPORT EU

**2.2.1** For existing ships, hazardous materials defined in App 2, Tab 3 are to be listed in Inventory Part I.

As far as practicable, hazardous materials defined in App 2, Tab 4 should be listed in the Inventory Part I.

If materials listed are present in products above the threshold values provided in App 2, Tab 3 or App 2, Tab 4, the quantity and location of the products and the contents of the materials present in them should be listed in the Inventory Part I.

Any spare parts containing materials listed in App 2, Tab 3 or App 2, Tab 4 are not to be listed in the Inventory Part I.

### 3 Requirement for initial development of the Inventory Part I

#### 3.1

##### 3.1.1 Development Process

In order to achieve comparable results for existing ships with respect to the Inventory Part I, the following procedure should be followed by the owner (refer also to flowchart process in Fig 1):

- a) collection of necessary information (STEP 1)
- b) assessment of collected information (STEP 2)
- c) preparation of visual/sampling check plan (STEP 3)
- d) onboard visual check and sampling check (STEP 4)
- e) preparation of the Inventory Part I and related documentation (STEP 5).

In order to clarify the results of each Step, checklist is to be prepared in accordance with the IMO guidelines (MEPC.269 (68)) App 5 and is to be annexed to the Inventory Part I.

##### 3.1.2 Collection of necessary information (STEP 1)

It is to be conducted in accordance with the IMO guidelines (MEPC.269(68)). The Owner should make every possible effort to obtain all reasonably available documentation regarding the ship.

It is impossible to check all equipment, systems, and / or areas on board the ship to determine the presence or absence of hazardous materials. The total number of parts on board may exceed several thousand. In order to take a practical approach, an indicative list is to be prepared that identifies the equipment, system, and / or area on board that is presumed to contain hazardous materials. Field interviews with the shipyard and suppliers may be necessary to prepare such lists.

**3.1.3 Assessment of collected information (STEP 2)**

The information collected is to be assessed to cover all Hazardous Materials referred to in App 2, as appropriate.

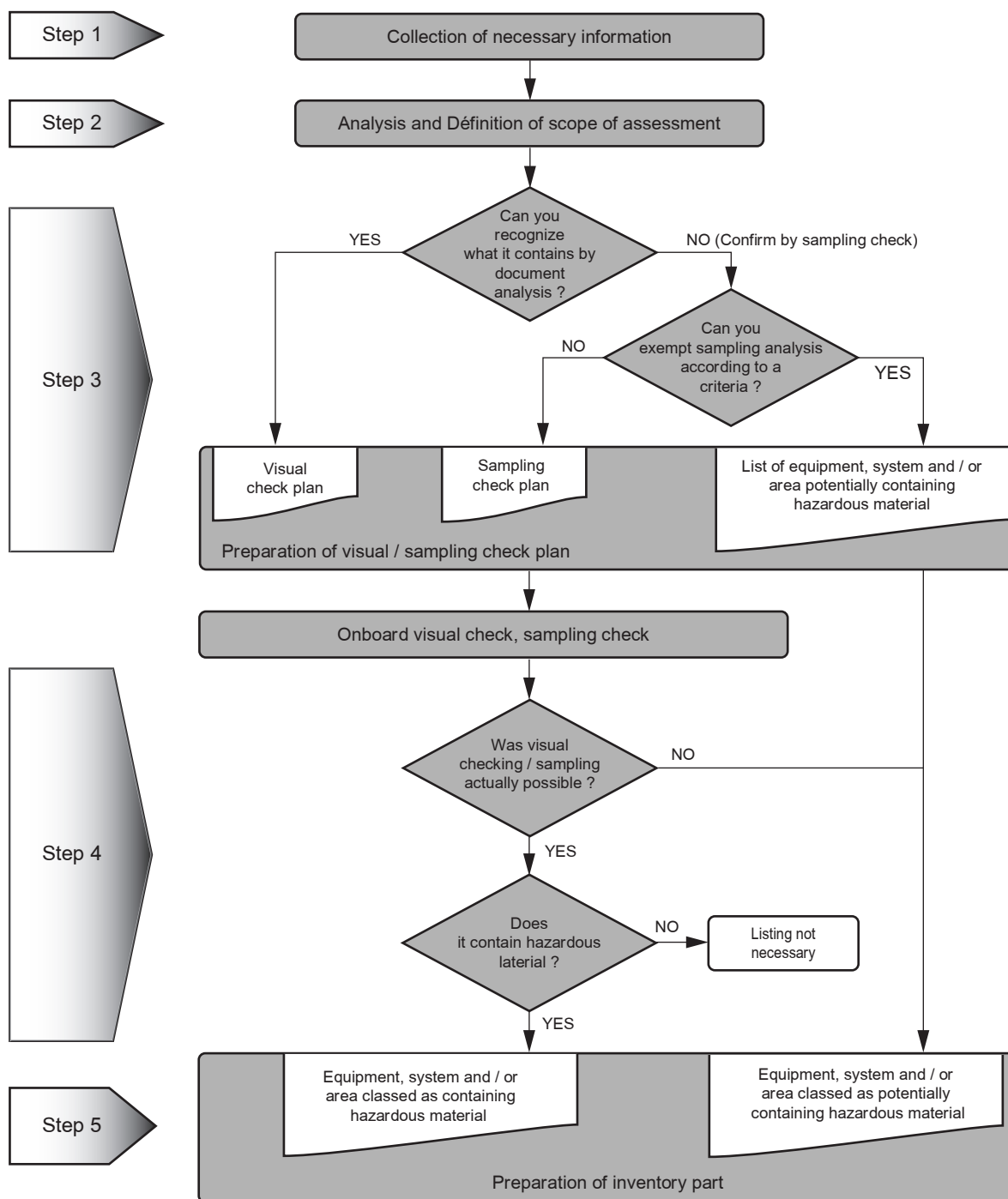
Preparation of a checklist is an efficient method for developing the Inventory Part I for existing ships in order to clarify the results of each step.

When a component or coating is determined to contain Hazardous Materials, a “Y” should be entered in the column for “Result of document analysis” in the checklist, to

denote “Contained”. Likewise, when an item is determined not to contain Hazardous Materials, the entry “N” should be made in the column to denote “Not contained”. When a determination cannot be made as to the hazardous materials content, the column should be completed with the entry “Unknown”.

The result of the assessment is to be reflected in the visual / sampling check plan.

**Figure 1 : Flowchart process IMO guidelines (MEPC.269(68))**



### 3.1.4 Preparation of a Visual/Sampling Check Plan (STEP 3)

The Visual/Sampling Check Plan for targeted sampling and Visual Check aims at identifying and locating the ship's structural area and equipment on board the vessels containing, or assumed to contain, materials listed in App 2, as appropriate.

The Visual/Sampling Check Plan is to be composed of three lists:

- List of equipment, system and/or area for Visual Check:  
The list of equipment, system and/or area for Visual Check is to include any equipment, system and/or area for which a document analysis provides clear information on the presence and approximate quantity of materials listed in App 2, as appropriate
- List of equipment, system and/or area for Sampling Check:  
The list of equipment, system and/or area for Sampling Check is to include any equipment, system and/or area for which the documentary analysis does not provide clear information on the presence of materials listed in App 2, as appropriate, and for which access can be arranged for sampling check
- List of equipment, system and/or area classed as "Potentially containing hazardous materials":  
The list of equipment, system and/or area classed as "Potentially containing hazardous materials" is to include any equipment, system and/or area for which a document analysis does not provide clear information on the presence of materials listed in App 2, as appropriate, and for which no access can be arranged for sampling check.

Clear indication of the location of equipment, system and/or area is to be indicated for each list.

### 3.1.5 On board visual/sampling check (STEP 4)

The personnel performing targeted sampling and visual check, the "IHM Expert", is to be properly qualified.

Any uncertainty regarding the presence of Hazardous Materials is to be clarified by a visual/sampling check. Check-points are to be documented in the ship's plan and may be supported by photographs.

If the equipment, system and/or area of the ship are not accessible for a visual check or sampling check, they should be classified as "potentially containing hazardous material". The prerequisite for such classification is to be the same prerequisite as in [3.1.4]. Any equipment, system and/or area classed as "potentially containing Hazardous Material" may be investigated or subjected to a sampling check at the request of the Owner during a later survey (e.g. during repair, refit or conversion).

The Owner may also establish a policy for performing random sampling of materials on board existing ships after the initial preparation of the Inventory Part I (e.g. when purchasing a ship or after a repair or conversion of the ship). In this context, the same process as for carrying out random sampling on a new ship may be applied as far as practicable.

### 3.1.6 Preparation of the Inventory Part I (STEP 5)

The Inventory Part I format is to follow the requirements detailed in App 3.

The Inventory Part I is to be prepared by the Owner from:

- the Visual/Sampling Check Plan
- the Visual and Sampling check results.

Every sampling check points are to be clearly marked on the ship plan and sample results referenced. Materials likely to be of the same kind can be grouped and composite samples taken.

The Inventory Part I is to list:

- all equipment, machinery, structural element or coatings for which a document analysis has indicated that they contain Hazardous Materials listed in App 2, Tab 1 or App 2, Tab 3 as appropriate
- all equipment, machinery, structural element or coatings for which a sampling analysis has indicated that they contain Hazardous Materials listed in App 2, Tab 1 or App 2, Tab 3 as appropriate
- all equipment, machinery, structural element or coatings for which no document analysis and no sampling analysis could be carried out.

For each equipment, machinery, structural element or coatings listed in the Inventory Part I, the following information is to be indicated:

- the location of the equipment, machinery, structural element or coatings on board the vessel
- the approximate quantity of Hazardous Materials estimated from the document analysis or sampling analysis or, where no document and sampling analysis could be carried out, the approximate quantity or volume of the equipment, machinery, structural element or coatings and the indication 'PCHM' (Potentially Containing Hazardous Materials) in the column 'Remarks' of the Inventory Part I.

The equipment, machinery, structural element or coatings which do not contain (below the applicable threshold) Hazardous Material are not to be listed in the Inventory Part I.

## 4 Survey on board by the Society

### 4.1

**4.1.1** The Visual/Sampling Check Plan is submitted by the Owner to the Society along with all supporting documentation and the results of the sampling check.

A survey is carried out on board by the Society's Surveyor to check at random:

- the location of the listed equipment, systems and/or areas
- that no access can be arranged for sampling of equipment, system and/or area listed into the list of equipment, system and/or area classed as "Potentially containing hazardous material", for those items where no such access is provided.

## **5 Acknowledgment of the Inventory Part I**

### **5.1**

**5.1.1** The Society is to acknowledge the Inventory Part I based on:

- a sampling verification that information recorded in the Inventory Part I by the Owner is supported by documentary evidence or sampling analysis results
- the Survey carried out on board.

## **6 Acknowledgment of the implementation of a procedure on board the ship for maintaining the Inventory Part I**

### **6.1**

**6.1.1** The Owner is responsible for the maintenance of the Inventory Part I during the lifetime of the ship. The Inventory Part I should belong to the ship and the continuity and conformity of the information it contains should be confirmed. The Society is to acknowledge evidence of implementation of a procedure on board the ship and a designated person for maintaining the Inventory Part I.

## SECTION 4

# MAINTENANCE AND RENEWAL OF THE GREEN PASSPORT AND GREEN PASSPORT EU NOTATIONS

### 1 General

#### 1.1 Prohibited or restricted materials

**1.1.1** The Owner is responsible to ensure that new installations fitted on board such as equipment, machinery, coating or structural component do not contain prohibited or restricted materials listed in:

- App 1, Tab 1 for notation **GREEN PASSPORT**
- App 1, Tab 2 for notation **GREEN PASSPORT EU**.

#### 1.2 Maintenance and update of the Inventory Part I during operation

**1.2.1** The Inventory Part I is to be properly maintained and updated by the Owner throughout the operational life of the ship. Any relevant changes in ship structure and equipment are to be recorded and the Owner is to inform the Society accordingly. The Owner is to request and collect a Supplier's Declaration of Conformity with the related Material.

Owners should establish the necessary procedures on board the ship and within their company to manage their long-term environmental responsibilities.

#### 1.2.2 Declarations from the supply chain for any new installation fitted on board

New installations fitted on board such as equipment, machinery, coating or structural component containing hazardous materials listed in:

- App 2, Tab 1 or App 2, Tab 4 for the notation **GREEN PASSPORT**
- App 2, Tab 3 or App 2, Tab 4 for the notation **GREEN PASSPORT EU**

are to be listed in the Inventory Part I.

#### 1.3 Maintenance of the notation **GREEN PASSPORT** and **GREEN PASSPORT EU**

**1.3.1** The Society is to carry out an additional survey, upon Owner's request, when new installations are fitted on board or relevant changes in ship structure and equipment are carried out.

The Society is to acknowledge the Inventory based on:

- a verification that the Inventory has been up-dated by the Owner and that information recorded for new listed equipment, systems and/or areas is supported by a Supplier's Declaration of Conformity and related Material Declarations
- a survey on board aiming at verifying the location of the new listed equipment, systems and/or areas.

#### 1.4 Renewal of the notation **GREEN PASSPORT** and **GREEN PASSPORT EU**

**1.4.1** The Society is to carry out a renewal survey every 5 years.

The Society is to acknowledge the Inventory based on:

- a sampling verification that the Inventory has been properly maintained and up-dated by the Owner and that information recorded for new listed equipment, systems and/or areas is supported by a Supplier's Declaration of Conformity and related Material Declarations
- a survey on board aiming at verifying by sampling the location of the new listed equipment, systems and/or areas
- a survey should further verify that any decision by the Owner to delete equipment, system and/or area previously classed as "PCHM" from the Inventory Part I is based on clear grounds for believing that the equipment, system and/or area in question contain no HMs.



# APPENDIX 1

# MATERIALS PROHIBITED OR RESTRICTED ON NEW SHIPS OR NEW INSTALLATIONS

## 1 List of materials prohibited or restricted

### 1.1

**1.1.1** The lists of materials prohibited or restricted on new ships and/or new installations are defined in:

- Tab 1 for the assignment of notation **GREEN PASSPORT**
- Tab 2 for the assignment of notation **GREEN PASSPORT EU**.

**Table 1 : List of materials prohibited or restricted new ships and/or new installations (Notation GREEN PASSPORT)**

Hazardous Material	Definitions	Control measures
Asbestos	Materials containing asbestos	For all ships, new installation of materials which contain asbestos are to be prohibited
Ozone-depleting substances	<ul style="list-style-type: none"> <li>• Controlled substances defined in Article 1(4) of the Montreal Protocol on Substances that Deplete the Ozone Layer, 1987, listed in Annexes A,B,C or E to that Protocol in force at the time of application or interpretation of this Appendix.</li> <li>• Ozone-depleting substances that may be found on board ships include, but are not limited to: <ul style="list-style-type: none"> <li>- Halon 1211 Bromochlorodifluoromethane</li> <li>- Halon 1301 Bromotrifluoromethane</li> <li>- Halon 2402 1,2-Dibromo-1,1,2,2-tetrafluoroethane (also known as Halon 114B2)</li> <li>- CFC-11 Trichlorofluoromethane</li> <li>- CFC-12 Dichlorodifluoromethane</li> <li>- CFC-113 1,1,2-Trichloro-1,2,2-trifluoroethane</li> <li>- CFC-114 1,2-Dichloro-1,1,2,2-tetrafluoroethane</li> <li>- CFC-115 Chloropentafluoroethane</li> </ul> </li> </ul>	New installations which contain ozone-depleting substances are to be prohibited on all ships, except that new installations containing hydrochlorofluorocarbons (HCFCs) are permitted until 1st January 2020
Polychlorinated biphenyls (PCB)	Polychlorinated biphenyls <sup>1</sup> means aromatic compounds formed in such a manner that the hydrogen atoms on the biphenyl molecule (two benzene rings bonded together by a single carbon-carbon bond) may be replaced by up to ten chlorine atoms	For all ships, new installation of materials which contain Polychlorinated biphenyls are to be prohibited
Anti-fouling compounds and systems	Anti-fouling compounds and systems regulated under Annex I to the International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001 (AFS Convention) in force at the time of application or interpretation of this Annex	<p>a) No ship may apply anti-fouling systems containing organotin compounds as a biocide or any other anti-fouling system whose application or use is prohibited by the AFS Convention</p> <p>b) No new ships or new installations on ships are to apply or employ anti-fouling compounds or systems in a manner inconsistent with the AFS Convention</p>

**Table 2 : List of materials prohibited or restricted new ships and/or new installations  
(Notation GREEN PASSPORT EU)**

Hazardous Material	Definitions	Control measures
Asbestos	Materials containing asbestos	For all ships, new installation of materials which contain asbestos are to be prohibited.
Ozone-depleting substances	<ul style="list-style-type: none"> <li>• Controlled substances defined in Article 1(4) of the Montreal Protocol on Substances that Deplete the Ozone Layer, 1987, listed in Annexes A,B,C or E to that Protocol in force at the time of application or interpretation of this Appendix.</li> <li>• Ozone-depleting substances that may be found on board ships include, but are not limited to:               <ul style="list-style-type: none"> <li>- Halon 1211 Bromochlorodifluoromethane</li> <li>- Halon 1301 Bromotrifluoromethane</li> <li>- Halon 2402 1,2-Dibromo-1,1,2,2-tetrafluoroethane (also known as Halon 114B2)</li> <li>- CFC-11 Trichlorofluoromethane</li> <li>- CFC-12 Dichlorodifluoromethane</li> <li>- CFC-113 1,1,2-Trichloro-1,2,2-trifluoroethane</li> <li>- CFC-114 1,2-Dichloro-1,1,2,2-tetrafluoroethane</li> <li>- CFC-115 Chloropentafluoroethane</li> <li>- HCFC-22 Chlorodifluoromethane</li> </ul> </li> </ul>	New installations which contain ozone-depleting substances are to be prohibited on all ships
Polychlorinated biphenyls (PCB)	'Polychlorinated biphenyls' means aromatic compounds formed in such a manner that the hydrogen atoms on the biphenyl molecule (two benzene rings bonded together by a single carbon-carbon bond) may be replaced by up to ten chlorine atoms	For all ships, new installation of materials which contain Polychlorinated biphenyls are to be prohibited.
Anti-fouling compounds and systems	Anti-fouling compounds and systems regulated under Annex I to the International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001 (AFS Convention) in force at the time of application or interpretation of this Annex	a) No ship may apply anti-fouling systems containing organotin compounds as a biocide or any other anti-fouling system whose application or use is prohibited by the AFS Convention  b) No new ships or new installations on ships are to apply or employ anti-fouling compounds or systems in a manner inconsistent with the AFS Convention
Perfluorooctane sulfonic acid (PFOS)	Perfluorooctane sulfonic acid <sup>1</sup> (PFOS) means Perfluorooctane sulfonic acid and its derivatives	New installations which contain perfluorooctane sulfonic acid (PFOS) and its derivatives are to be prohibited in accordance with Regulation (EC) No 850/2004 of the European Parliament and of the Council

## APPENDIX 2

## LIST OF HAZARDOUS MATERIALS TO BE LISTED IN THE INVENTORY PART I

### 1 General

#### 1.1 List of hazardous materials to be listed for all ships

1.1.1 The list of hazardous materials to be listed in the Inventory Part I for all ships is defined in:

- Tab 1 for the assignment of notation **GREEN PASSPORT**
- Tab 3 for the assignment of notation **GREEN PASSPORT EU**.

#### 1.2 List of hazardous materials to be listed for new ships and/or new installations

1.2.1 In addition of the list defined in [1.1.1], a list of hazardous materials to be listed in the Inventory Part I for new ships and/or new installations is defined in:

- Tab 2 for the assignment of notation **GREEN PASSPORT**
- Tab 4 for the assignment of notation **GREEN PASSPORT EU**.

**Table 1 : All ships - Hazardous materials to be listed in the Inventory Part I (Notation GREEN PASSPORT)**

Hazardous Material	Threshold value
Asbestos (1)	0,1%
Polychlorinated biphenyls (PCB)	50 mg/kg
Ozone-depleting substances (2)	no threshold value
CFCs	
Halons	
Other fully halogenated CFCs	
Carbon Tetrachloride	
1,1,1-Trichloroethane (Methyl chloroform)	
Hydrochlorofluorocarbons	
Hydrobromofluorocarbons	
Methyl bromide	2,500 mg total tin/kg
Bromochloromethane	
Anti-fouling systems containing organotin compounds as a biocide	
<p>(1) The IMO guidelines (Resolution MEPC.269(68)) provide the following in a footnote: "In accordance with regulation 4 of the Convention, for all ships, new installation of materials which contain asbestos shall be prohibited. According to the UN recommendation "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" adopted by the United Nations Economic and Social Council's Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals (UNSCGHS), the UN's Sub-Committee of Experts, in 2002 (published in 2003), carcinogenic mixtures classified as Category 1A (including asbestos mixtures) under the GHS are required to be labelled as carcinogenic if the ratio is more than 0,1%. However, if 1% is applied, this threshold value should be recorded in the Inventory and, if available, the Material Declaration and can be applied not later than five years after the entry into force of the Convention. The threshold value of 0,1% need not be retroactively applied to those Inventories and Material Declarations".</p> <p>(2) New installations containing hydrochlorofluorocarbons (HCFCs) are permitted until 1st January 2020.</p>	

**Table 2 : New ships and/or new installations - additional list of hazardous materials to be listed in the Inventory Part I (Notation GREEN PASSPORT)**

Hazardous Material	Threshold value
Cadmium and cadmium compounds	100 mg/kg
Hexavalent chromium and hexavalent chromium compounds	1,000 mg/kg
Lead and lead compounds	1,000 mg/kg
Mercury and mercury compounds	1,000 mg/kg
Polybrominated biphenyl (PBBs)	50 mg/kg
Polybrominated diphenyl ethers (PBDEs)	1,000 mg/kg
Polychlorinated naphthalenes (more than 3 chlorine atoms)	50 mg/kg
Radioactive substances	no threshold value
Certain shortchain chlorinated paraffins (Alkanes, C10-C13, chloro)	1%

**Table 3 : All ships - Hazardous materials to be listed in the Inventory Part I (Notation GREEN PASSPORT EU)**

Hazardous Material		Threshold value
Asbestos (1)		0,1%
Polychlorinated biphenyls (PCB)		50 mg/kg
Ozone-depleting substances	CFCs	no threshold value
	Halons	
	Other fully halogenated CFCs	
	Carbon Tetrachloride	
	1,1,1-Trichloroethane (Methyl chloroform)	
	Hydrochlorofluorocarbons	
	Hydrobromofluorocarbons	
	Methyl bromide	
Bromochloromethane		
Anti-fouling systems containing organotin compounds as a biocide		2,500 mg total tin/kg
Perfluorooctane sulfonic acid (PFOS) and its derivatives		<ul style="list-style-type: none"> <li>• Concentrations of PFOS above 10 mg/kg (0.001% by weight) when it occurs in substances or in preparations, or</li> <li>• Concentrations of PFOS in semi-finished products or articles, or parts thereof equal to or above than 0.1% by weight calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS, or</li> <li>• For textiles or other coated materials, if the amount of PFOS is equal to or above than 1 µg/m<sup>2</sup> of the coated material</li> </ul>
<p>(1) The IMO guidelines (Resolution MEPC.269(68)) provide the following in a footnote: "In accordance with regulation 4 of the Convention, for all ships, new installation of materials which contain asbestos shall be prohibited. According to the UN recommendation "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" adopted by the United Nations Economic and Social Council's Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals (UNSCGHS), the UN's Sub-Committee of Experts, in 2002 (published in 2003), carcinogenic mixtures classified as Category 1A (including asbestos mixtures) under the GHS are required to be labelled as carcinogenic if the ratio is more than 0,1%. However, if 1% is applied, this threshold value should be recorded in the Inventory and, if available, the Material Declaration and can be applied not later than five years after the entry into force of the Convention. The threshold value of 0,1% need not be retroactively applied to those Inventories and Material Declarations".</p>		

**Table 4 : New ships and/or new installations - additional list of hazardous materials to be listed in the Inventory Part I (Notation GREEN PASSPORT / GREEN PASSPORT EU as appropriate)**

Hazardous Material	Threshold value
Hazardous Material	Threshold value
Cadmium and cadmium compounds	100 mg/kg
Hexavalent chromium and hexavalent chromium compounds	1,000 mg/kg
Lead and lead compounds	1,000 mg/kg
Mercury and mercury compounds	1,000 mg/kg
Polybrominated biphenyl (PBBs)	50 mg/kg
Polybrominated diphenyl ethers (PBDEs)	1,000 mg/kg
Polychlorinated naphthalenes (more than 3 chlorine atoms)	50 mg/kg
Radioactive substances	no threshold value
Certain shortchain chlorinated paraffins (Alkanes, C10-C13, chloro)	1%
Brominated Flame Retardant (HBCDD)	100 mg/Kg (0.01%)

## APPENDIX 3

## STANDARD FORMAT OF THE INVENTORY PART I

### 1 Reportings

#### 1.1 Reporting of the location of the equipment, system and / or area

**1.1.1** The location of the equipment, system and / or area is to be described and identified using the name of the location as named in the plan such as General Arrangement, Fire and Safety Plan, Machinery Arrangement, Joiner Plan and Tank Arrangement (e.g.: second floor of Engine-room, Bridge DK, APT, No.1 Cargo Tank).

#### 1.2 Reporting of the approximate quantity

**1.2.1** The approximate quantity of hazardous materials is to be unified into "kg".

The approximate quantity is to be described with two significant figures.

The approximate quantity can not be described with more than 2 decimals.

If the hazardous material is less than "10 g", description of the quantity will be "<0,01 kg".

For example:

- 348 kg is rounded to 350 kg
- 12,3 kg is rounded to 12 kg
- 1,23 kg is rounded to 1,2 kg.

#### 1.3 Standard formats of the Inventory Part I

**1.3.1** The standard format of the Inventory Part I is shown in:

- Tab 1 for the notation **GREEN PASSPORT**.
- Tab 2 for the notation **GREEN PASSPORT EU**.

**Table 1 : Standard format of the Inventory Part I for notation GREEN PASSPORT****INVENTORY OF HAZARDOUS MATERIALS FOR XXXXX****Particulars of the XXXXX**

Distinctive number or letters	
Port of registry	
Type of vessel	
Gross Tonnage	
IMO number	
Name of shipbuilder	
Name of shipowner	
Date of delivery	
This inventory was developed in accordance with the IMO guidelines for the development of the Inventory of Hazardous Materials.	
Attachments:	
a) inventory of Hazardous Materials	
b) assessment of collected information	
c) location diagram of Hazardous Materials	
Prepared by XYZ (Name & address) (dd/mm/20XX)	

**Part I****Hazardous materials contained in the ship's structure and equipment****I-1 - Paints and coating systems containing materials listed in table A [and table B] of appendix 1 of 2015 Guidelines for the development of the Inventory of Hazardous Materials (resolution MEPC.269 (68))**

No	Application of paint	Name of paint	Location	Materials (classification in appendix 1 IMO res.MEPC.269(68))	Approximate quantity	Remarks

**I-2 Equipment and machinery containing materials listed in Table A [and Table B] of appendix 1 of 2015 Guidelines for the development of the Inventory of Hazardous Materials (resolution MEPC.269 (68))**

No	Name of equipment and machinery	Location*	Materials (classification in appendix 1 IMO res.MEPC.269(68))	Parts where used	Approximate quantity	Remarks

**I-3 Structure and hull containing materials listed in Table A [and Table B] of appendix 1 of 2015 Guidelines for the development of the Inventory of Hazardous Materials (resolution MEPC.269(68))**

No	Name of structural element	Location*	Materials (classification in appendix 1 IMO res.MEPC.269(68))	Parts where used	Approximate quantity	Remarks

\* Each item should be entered in order based on its location, from a lower level to an upper level and from a fore part to an aft part

**Table 2 : Standard format of the Inventory Part I for notation GREEN PASSPORT EU****INVENTORY OF HAZARDOUS MATERIALS FOR XXXXX****Particulars of the XXXXX**

Distinctive number or letters	
Port of registry	
Type of vessel	
Gross Tonnage	
IMO number	
Name of shipbuilder	
Name of shipowner	
Date of delivery	
<p>This inventory was developed in accordance with the IMO guidelines for the development of the Inventory of Hazardous Materials and the Inventory follows the requirements set out in the Hong Kong Convention and in the EU Ship Recycling Regulation (EU) 1257/2013. Attachments:</p> <p>a) inventory of Hazardous Materials  b) assessment of collected information  c) location diagram of Hazardous Materials  Prepared by XYZ (Name &amp; address) (dd/mm/20XX)</p>	

**Part I****Hazardous materials contained in the ship's structure and equipment****I-1 - Paints and coating systems containing materials listed in table A [and table B] of appendix 1 of 2015 Guidelines for the development of the Inventory of Hazardous Materials (resolution MEPC.269 (68)) and listed in Annex B of EMSA's Best Practice Guidance on the Inventory of Hazardous Materials**

No	Application of paint	Name of paint	Location	Materials (classification in appendix 1 IMO res.MEPC.269(68)) and in annex I / annex II of the EU SRR)"	Approximate quantity	Remarks

**I-2 Equipment and machinery containing materials listed in Table A [and Table B] of appendix 1 of 2015 Guidelines for the development of the Inventory of Hazardous Materials (resolution MEPC.269 (68)) and listed in Annex B of EMSA's Best Practice Guidance on the Inventory of Hazardous Materials**

No	Name of equipment and machinery	Location*	Materials (classification in appendix 1 IMO res.MEPC.269(68)) and in annex I / annex II of the EU SRR)"	Parts where used	Approximate quantity	Remarks

**I-3 Structure and hull containing materials listed in Table A [and Table B] of appendix 1 of 2015 Guidelines for the development of the Inventory of Hazardous Materials (resolution MEPC.269 (68)) and listed in Annex B of EMSA's Best Practice Guidance on the Inventory of Hazardous Materials**

No	Name of structural element	Location*	Materials (classification in appendix 1 IMO res.MEPC.269(68)) and in annex I / annex II of the EU SRR)"	Parts where used	Approximate quantity	Remarks

\* Each item should be entered in order based on its location, from a lower level to an upper level and from a fore part to an aft part

# APPENDIX 4

# SUPPLIER'S DECLARATION OF CONFORMITY

## 1 Form of Supplier's Declaration of Conformity (SDoC)

### 1.1

1.1.1 An example of form of Supplier's Declaration of Conformity is shown in Tab 1.

**Table 1 : Form of Supplier's Declaration of Conformity**

SUPPLIER'S DECLARATION OF CONFORMITY FOR MATERIAL DECLARATION MANAGEMENT		
1	Identification number	.....
2	Issuer's name	.....
	Issuer's Address	.....
3	Object(s) of the declaration	..... ..... .....
4	The object(s) of the declaration described above is in conformity with the following documents:	
	Document No.	Title
		Edition/date of issue
5	.....	.....
	.....	.....
	.....	.....
6	Additional information	
	.....	
	.....	
	Signed for an on behalf of	
	.....	
	.....	
	<i>(place and date of issue)</i>	
7	.....	.....
	<i>(name, function)</i>	<i>(signature)</i>



## APPENDIX 5

## MATERIAL DECLARATION

### 1 Form of material declaration

#### 1.1

**1.1.1** An example of Form of material declaration is shown in Tab 1.

**Table 1 : Form of Material Declaration**

**<Date of declaration>**

Date	
------	--

**<MD ID number>**

MD-ID-No	
----------	--

**<Other information>**

Remark 1	
Remark 2	
Remark 3	

**<Supplier (respondent) information>**

Company name	
Division name	
Address	
Contact person	
Telephone number	
Fax number	
Email address	
SDoC ID no	

**<Products information>**

Product name	Product number	Delivered unit		Product information
		Amount	Unit	

**<Materials information>**

This materials information shows the amount of hazardous materials contained in

	Unit
1	

(unit: piece, kg, m, m<sup>2</sup>, m<sup>3</sup>, etc.) of the product.

Table	Material name		Threshold value	Present above threshold value Yes / No	If yes, material mass		If yes, information on where it is used
					Mass	Unit	
Table A (materials listed in appendix 1 of the Convention)	Asbestos	Asbestos	0,1% <b>(1)</b>				
	Polychlorinated biphenyls (PCBs)	Polychlorinated biphenyls (PCBs)	50 mg/kg				
	Ozone depleting substance	Chlorofluorocarbons (CFCs)	no threshold value				
		Halons					
		Other fully halogenated CFC's					
		Carbon tetrachloride					
		1,1,1-Titrochloroethane					
		Hydrochlorofluorocarbons					
		Hydrobromofluocarbons					
		Methyl bromide					
Anti-fouling systems containing organotin compounds as a biocide		2,500 mg total tin/kg					

Table	Material name	Threshold value	Present above threshold value Yes / No	If yes, material mass		If yes, information on where it is used
				Mass	Unit	
Table B (materials listed in appendix 2 of the Convention)	Cadmium and cadmium compounds	100 mg/kg				
	Hexavalent chromium and hexavalent chromium compounds	1000 mg/kg				
	Lead and lead compounds	1000 mg/kg				
	Mercury and mercury compounds	1000 mg/kg				
	Polybrominated biphenyl (PBBs)	50 mg/kg				
	Polybrominated diphenyl ethers (PBDEs)	1000 mg/kg				
	Polychloronapthalenes (Cl $\geq$ 3)	50 mg/kg				
	Radioactive substances	no threshold value				
	Certain shortchain chlorinated paraffins	1%				

- (1) In accordance with regulation 4 of the Convention, for all ships, new installation of materials which contain asbestos shall be prohibited. According to the UN recommendation "Globally Harmonized System of Classification and labelling of Chemicals (GHS)" adopted by the United Nations Economic and Social Council's Sub-Committee of Experts on the Globally Harmonized System of Classification and labelling of Chemicals (UNSCGHS), the UN'S Sub-Committee of Experts, in 2002 (published in 2003), carcinogenic mixtures classified as Category 1A (including asbestos mixtures) under the GHS are required to be labelled as carcinogenic if the ratio is more than 0,1%. However, if 1% is applied, this threshold value should be recorded in the Inventory and, if available, the Material Declaration and can be applied not later than five years after the entry into force of the Convention. The threshold value of 0.1% need not be retroactively applied to those Inventories and Material Declarations.

# APPENDIX 6

# SUPPLEMENT TO THE MATERIAL DECLARATION FOR GREEN PASSPORT EU

## 1 Form of the supplement

### 1.1

1.1.1 An example of Form for the Supplement to the material declaration for **GREEN PASSPORT EU** is shown in Tab 1.

**Table 1 : Form for the supplement to the material declaration for GREEN PASSPORT EU**

<SUPPLEMENT attached to MD-ID-No>

MD-ID-No	
Date	

<Materials information>

This materials information shows the amount of hazardous materials contained in

1	Unit
---	------

(unit: piece, kg, m, m<sup>2</sup>, m<sup>3</sup>, etc.) of the product

Annex of EU SRR	Material name	Threshold value	Present above threshold value	If yes, material mass		If yes, information on where it is used
			Yes / No	Mass	Unit	
Annex I (materials listed in annex I of the EU SRR)	Perfluorooctane sulfonic acid (PFOS) and its derivatives	10 mg/kg (0,001% by weight) <b>(1)</b>				
Annex II (materials listed in annex II of the EU SRR)	Brominated Flame Retardant (HBSDD)	100 mg/kg (0,01% by weight) <b>(1)</b>				

- (1)** Concentrations of PFOS above 10 mg/kg (0,001% by weight) when it occurs in substances or in preparations or concentrations of PFOS in semi-finished products or articles, or parts thereof equal to or above than 0,1% by weight calculated with reference to the mass of structurally or micro-structurally distinct parts that contain PFOS or for textiles or other coated materials, if the amount of PFOS is equal to or above than 1 µg/m<sup>2</sup> of the coated material.



***Move Forward with Confidence***

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