

GREEN PASSPORT

NR528 - JULY 2024

RULE NOTE



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RULES, RULE NOTES AND GUIDANCE NOTES

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These rules are provided within the scope of the Bureau Veritas Marine & Offshore General Conditions, enclosed at the end of Part A of NR467, Rules for the Classification of Steel Ships. The latest version of these General Conditions is available on the Bureau Veritas Marine & Offshore website.

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NR528

GREEN PASSPORT

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

Table 1 : GREEN PASSPORT notations description

Notation	Applicable requirements	
	New ship (1)	Existing ship (2)
GREEN PASSPORT The notation refers to ships complying with: - the requirements of the Hong Kong Convention, 2009 and - 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”	Sec 1	
	Sec 2	Sec 3
		Sec 2 instead of Sec 3, if the initial development of the Inventory Part I is done during construction stage
	Sec 4	
GREEN PASSPORT EU The notation refers to ships complying with: - the requirements of the Hong Kong Convention, 2009 and - 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” - the requirements, as applicable to ships flying the flag of non-EU member State applying to be registered under 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”	Sec 1	
	Sec 2	Sec 3
	Sec 3 instead of Sec 2, if the ship is flying the flag of non-EU member State applying to be registered under the Flag of EU member State	
	Sec 4	
	(1) Refer to the definition of new ship in [1.6.6]	
(2) Refer to the definition of existing ship in [1.6.1]		

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 Documentation to be submitted

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

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	Quality procedure and assessment report for the Inventory Part I
4	I	Visual/Sampling Check Plan and / or Random Check Plan, if applicable
5	I	Report of Visual and Sampling Check, if applicable
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 at the stage of maintenance and renewal of the notation
Note 1: R = Requested for the assignment of notations GREEN PASSPORT and GREEN PASSPORT EU I = For information.		

1.5 Reference documents

1.5.1 The following documents are given for reference only:

- 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
- 2023 Guidelines for the development of the Inventory of Hazardous Materials as set out in the annex to resolution MEPC.379(80)
- 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 lifebuoys.

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

For additional class notation **GREEN PASSPORT**, new installation means the installation of systems, equipment, insulation, or other material on or after the 1st July 2024.

For additional class notation **GREEN PASSPORT EU**, new installation means the installation of systems, equipment, insulation, or other material on or after the 31st December 2018.

1.6.6 New ship

For additional classification notation **GREEN PASSPORT**, "New ship" means a ship:

- a) for which the building contract is placed on or after the entry into force of the Hong Kong Convention, or
- b) in the absence of a building contract, the keel of which is laid or which is at a similar stage of construction on or after six months after the entry into force of the Hong Kong Convention, or
- c) the delivery of which is on or after 30 months after the entry into force of the Hong Kong Convention.

Hong Kong Convention enters into force on 26 June 2025.

For additional classification notation **GREEN PASSPORT EU**, "New ship" means a ship for which either:

- a) the building contract is placed on or after the date of application of the EU Regulation No 1257/2013
- b) in the absence of a building contract, the keel is laid or the ship is at a similar stage of construction six months after the date of application of the EU Regulation No 1257/2013 or thereafter, or
- c) the delivery takes place thirty months after the date of application of the EU Regulation No 1257/2013 or thereafter.

The date of application of the EU Regulation No 1257/2013 is 31 December 2018.

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 Notations

1.1.1 This section is applicable for the assignment of the **GREEN PASSPORT** or **GREEN PASSPORT EU** notation to a ship, as defined in Sec 1, Tab 1, upon satisfactory completion of the following steps:

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

1.2 Documentation to be submitted

1.2.1 The documentation to be submitted for the assignment of the notation **GREEN PASSPORT** or **GREEN PASSPORT EU** is listed in Sec 1, Tab 2.

2 Shipyard and suppliers responsibilities

2.1

2.1.1 Equipment, machinery, coating or structural component used for the new construction must not 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 and collect, a 'Supplier's Declaration of Conformity' and associated Material Declaration from the upstream suppliers in accordance with this Rule Note for each structural element, equipment, machinery and coatings fitted on board.

The suppliers are responsible to establish the Material Declarations and the Declaration of Conformity in accordance with the requirements of this Rule Note.

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

3 Requirements for initial development of the Inventory Part I

3.1 Development Process

3.1.1 The process is to 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

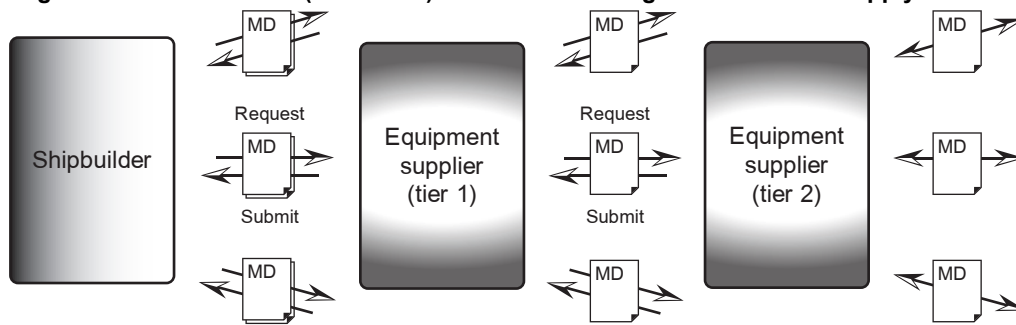
Materials Declaration (MD) and Supplier's Declaration of Conformity (SDoC) for products from suppliers (tier 1 suppliers) are to be requested and collected by the shipyard.

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 is to involve the entire shipbuilding supply chain (see Fig 1).

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

SDoC and MD are to 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 Sec 1.

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



3.2.2 Quality assurance policy

The shipyard has to establish a quality assurance process covering the request, collection and management of data from the suppliers. When deemed necessary, the shipyard may use visual checking and/or random sampling to test materials.

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 is not to 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 is to 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 are to 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 are not to 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 are to be listed in the Inventory.

3.4 Preparation of the Inventory

3.4.1 The Inventory Part I Format is to comply with 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 that 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 that 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 Supplier's Declarations 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 This section is applicable for the assignment of the **GREEN PASSPORT** or **GREEN PASSPORT EU** notation to a ship, as defined in Sec 1, Tab 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 is to 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 are to 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 are to be listed in the Inventory Part I.

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 are to 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 are to be listed in the Inventory Part I.

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 is to 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.379(80) 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.379(80)). The Owner has to 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 are 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" is to 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" is to be made in the column to denote "Not contained". When a determination cannot be made as to the hazardous materials content, the column is to be completed with the entry "Unknown".

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

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)

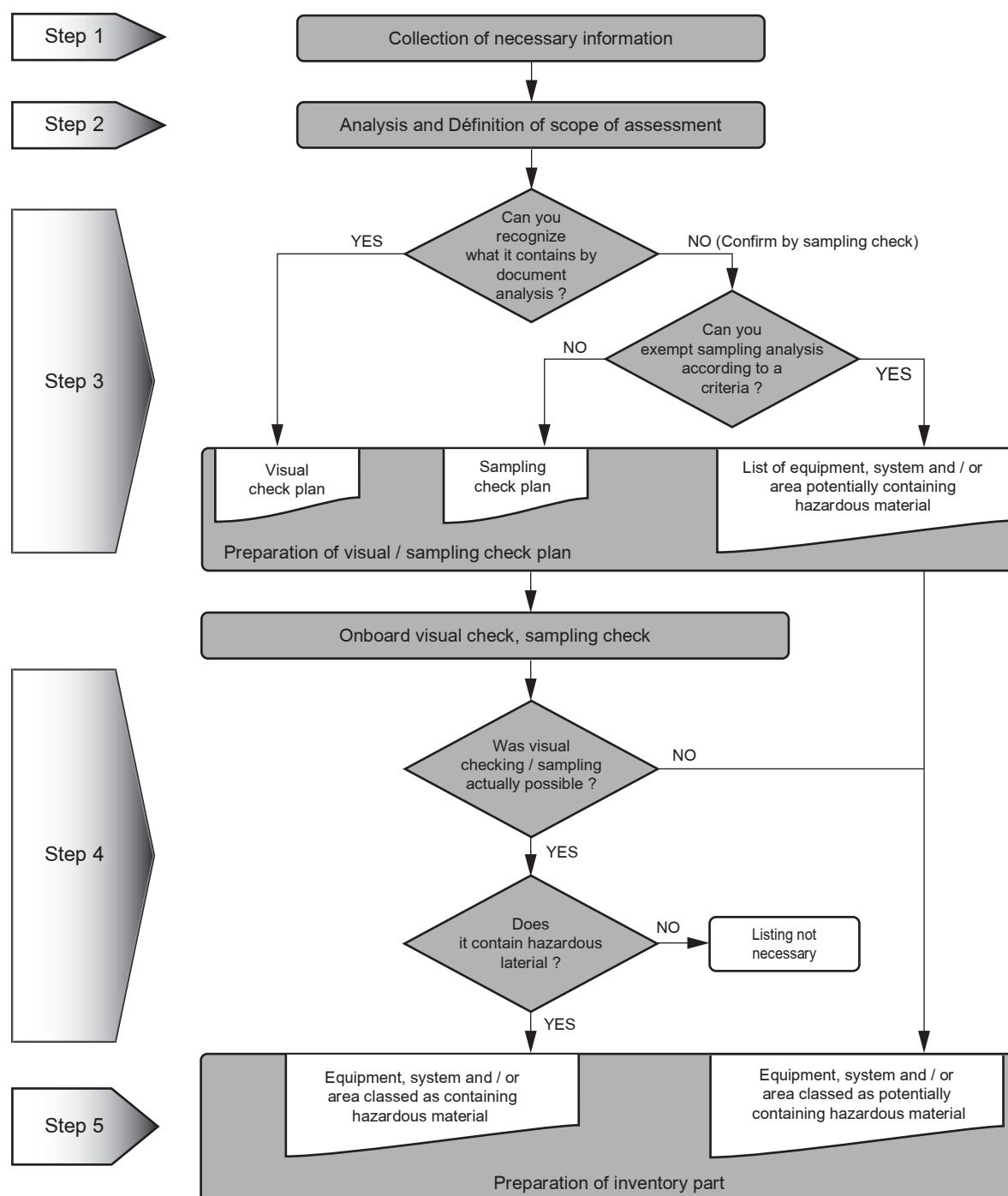
The personnel performing targeted sampling and visual check, the "IHM Expert", is to be properly qualified.

Any uncertainty regarding the presence of Hazardous Materials is to be clarified by a visual/sampling check. Checkpoints 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 are to 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.

Figure 1 : Flowchart process IMO guidelines (MEPC.379(80))



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 to be submitted by the Owner to the Society along with all supporting documentation and the results of the sampling check.

A survey is to be 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 is to belong to the ship and the continuity and conformity of the information it contains is to 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 have to 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.

1.2.3 Control measures on Cybutryne

The inventory Part I, is to be updated/maintained to record the presence of Cybutryne, if applicable, at first maintenance or renewal of the **GREEN PASSPORT** and **GREEN PASSPORT EU** notations whichever is the first, on or after 1 July 2024.

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 verification that the Inventory has been up-dated by the Owner to include the presence of Cybutryne together with supporting evidence, as defined in [1.2.3]
- 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 verification that the Inventory has been up-dated by the Owner to include the presence of Cybutryne together with supporting evidence, as defined in [1.2.3]
- a survey on board aiming at verifying by sampling the location of the new listed equipment, systems and/or areas
- a survey to 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	- 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. - Ozone-depleting substances that may be found on board ships include, but are not limited to: - Halon 1211 Bromochlorodifluoromethane - Halon 1301 Bromotrifluoromethane - Halon 2402 1,2-Dibromo-1,1,2,2-tetrafluoroethane (also known as Halon 114B2) - CFC-11 Trichlorofluoromethane - CFC-12 Dichlorodifluoromethane - CFC-113 1,1,2-Trichloro-1,2,2-trifluoroethane - CFC-114 1,2-Dichloro-1,1,2,2-tetrafluoroethane - CFC-115 Chloropentafluoroethane	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 ¹ 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

**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	- 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. - Ozone-depleting substances that may be found on board ships include, but are not limited to: - Halon 1211 Bromochlorodifluoromethane - Halon 1301 Bromotrifluoromethane - Halon 2402 1,2-Dibromo-1,1,2,2-tetrafluoroethane (also known as Halon 114B2) - CFC-11 Trichlorofluoromethane - CFC-12 Dichlorodifluoromethane - CFC-113 1,1,2-Trichloro-1,2,2-trifluoroethane - CFC-114 1,2-Dichloro-1,1,2,2-tetrafluoroethane - CFC-115 Chloropentafluoroethane - HCFC-22 Chlorodifluoromethane	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' (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)	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
Anti-fouling systems containing cybutryne		1,000 mg/kg
(1) The IMO guidelines (Resolution MEPC.379(80)) 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”. (2) New installations containing hydrochlorofluorocarbons (HCFCs) are permitted until 1st January 2020.		

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
Anti-fouling systems containing cybutryne		1,000 mg/kg
Perfluorooctane sulfonic acid (PFOS) and its derivatives		- 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 microstructurally 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/m² of the coated material
(1) The IMO guidelines (Resolution MEPC.379(80)) 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".		

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 2023 Guidelines for the development of the Inventory of Hazardous Materials (resolution MEPC.379(80))

No.	Application of paint	Name of paint	Location	Materials (classification in appendix 1 IMO res.MEPC.379(80))	Approximate quantity	Remarks

I-2 Equipment and machinery containing materials listed in Table A [and Table B] of appendix 1 of 2023 Guidelines for the development of the Inventory of Hazardous Materials (resolution MEPC.379(80))

No.	Name of equipment and machinery	Location*	Material (classification in appendix 1 IMO res.MEPC.379(80))	Parts where used	Approximate quantity	Remarks

I-3 Structure and hull containing materials listed in Table A [and Table B] of appendix 1 of 2023 Guidelines for the development of the Inventory of Hazardous Materials (resolution MEPC.379(80))

No.	Name of structural element	Location*	Materials (classification in appendix 1 IMO res.MEPC.379(80))	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	
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:	
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 2023 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.379(80)) 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 2023 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.379(80)) 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 2023 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.379(80)) 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	
		
		
	(place and date of issue)	
7		
	(name, function)	(signature)

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 ² , m ³ , 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% (1)				
	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					
		Bromochloromethane					
	Anti-fouling systems containing organotin compounds as a biocide		2,500 mg total tin/kg				
	Anti-fouling systems containing cybutryne		1,000 mg/kg (2)				

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 ₂ ≥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.
- (2) When samples are directly taken from the hull, average values of cybutryne should not be present above 1,000 mg of cybutryne per kilogram of dry paint.

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		Unit	(unit: piece, kg, m, m ² , m ³ , etc.) of the product
	1		

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) (1)				
Annex II (materials listed in annex II of the EU SRR)	Brominated Flame Retardant (HBCDD)	100 mg/kg (0,01% by weight)				

(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 1µg/m² of the coated material.



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