

【For Shipbuilders】
Ship Recycling Convention
PrimeShip-GREEN/SRM

Contents:

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2. Inventory of Hazardous Materials (IHM)
3. IHM development for New Ships
4. PrimeShip-GREEN/SRM

Ship Recycling Convention

Adoption of the Ship Recycling Convention

Upon the discussion at international organizations (UNEP, ILO, IMO), “Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships, 2009” was adopted in on 15 May 2009.

The Convention will enter into force on 26 June 2025.



>> “Ship Recycling Convention”, “Hong Kong Convention / HKC”

Overview of Requirements for IHM on HKC

- Application to : Ships \geq 500GT
(Ships engaging only in domestic voyage throughout her life are not applicable.)
- Definition : “**New Ship**” means a ship:
 - .1 for which the building contract is placed on or after the entry into force of this Convention; or
 - .2 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 the entry into force of this Convention; or
 - .3 the delivery of which is on or after 30 months after the entry into force of this Convention.
 - “**Existing Ship**” : Not a new ship
- Development of IHM Part I :
 - “**New Ship**” : at the delivery
 - “**Existing Ship**” : Not later than 5 years after the entry into force of HKC
- IHM Part I shall be **properly maintained and updated throughout the operational life** of the ship
- Prior to recycling IHM shall complete to incorporate **Part II** for operationally general wastes and **Part III** for store, in addition to the properly maintained and updated **Part I**.

Inventory of Hazardous Materials (IHM)

Component of IHM

<p>Items to be listed in IHM set forth in the TABLE A-D of APPENDIX to the convention</p>	<p>Part I Ship structure and equipment</p>	<p>Part II Wastes</p>	<p>Part III Stores</p>
<p>Table A Prohibited/Limited Hazardous Materials [Asbestos, PCBs, Ozone-depleting substances, Anti-fouling compounds and systems]</p>	<p>✓</p>	<p>—</p>	<p>—</p>
<p>Table B Hazardous Materials [Cadmium, Hexavalent Chromium, Lead, Mercury etc.]</p>	<p>✓ Existing Ship: as far as practicable</p>	<p>—</p>	<p>—</p>
<p>Table C Potentially Hazardous Items</p>	<p>—</p>	<p>✓</p>	<p>✓</p>
<p>Table D Regular Consumable Goods potentially containing Hazardous Materials</p>	<p>—</p>	<p>—</p>	<p>✓</p>
<p>When IHM developed</p>	<p>at Delivery Existing Ship: within 5 years</p>	<p>before recycling</p>	

Hazardous Materials(HazMat) on Table A & B for IHM Part I

Table	Materials	Threshold value
A	Asbestos	0.1%
	PCBs	50 mg/kg
	Ozone Depleting Substances	No threshold value
	Anti-fouling compounds and systems	2,500 mg total tin/kg
B	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 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%

Items on Table C & D for IHM Part II & III

Table	Properties		Examples	Part II [Wastes]	Part III [Stores]
C	Liquid	Oiliness	Fuel, Lubricant oil	—	✓
			Waste oil, bilge	✓	—
	Liquid		Fuel additive, Antifreeze fluids	—	✓
			Ballast water, sewage	✓	—
	Gas	Explosives/ inflammables	Acetylene, Propane	—	✓
		GHG	CO2	—	✓
	Solid		Medicines, Spare parts	—	✓
			Residues	✓	—
D	Domestic and accommodation appliances ("NOT include ship specific equipment integral to ship operations")		Computers, refrigerators, printers, scanners, television sets, radio sets, video cameras, video recorders, telephones, consumer batteries, fluorescent lamps, filament bulbs, lamps	—	✓

Form of IHM - Part I

(Standard Format of the Guideline for the Convention)

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 the guidelines

No.	Application of paint	Name of paint	Location	Materials (classification in appendix 1)	Approx. quantity	Remarks
1	Anti-drumming compound	Primer, xx Co., xx primer #300	Hull part	Lead	35.00 kg	
2	Anti-fouling	xx Co., xx coat #100	Underwater parts	TBT	120.00 kg	

Part I

I-2 Equipment and machinery containing materials listed in Table A and Table B of appendix 1 of the guidelines

No.	Name of equipment and machinery	Location	Materials (classification in appendix 1)	Parts where used	Approx. quantity	Remarks
1	Switch board	Engine control room	Cadmium	Housing coating	0.02 kg	
			Mercury	Heat gauge	<0.01 kg	less than 0.01kg
2	Diesel engine, xx Co., xx #150	Engine room	Cadmium	Bearing	0.02 kg	
3	Diesel engine, xx Co., xx #200	Engine room	Cadmium	Bearing	0.01 kg	Revised by XXX on Oct. XX, 2008
4	Diesel generator (x 3)	Engine room	Lead	Ingredient of copper compounds	0.01 kg	

Form of IHM - Parts II & III

(Standard Format of the Guideline for the Convention)

Part II OPERATIONALLY GENERATED WASTE

No.	Location ¹⁾	Name of Item (classification in appendix 1) and detail (if any) of the item	Approx. quantity	Remarks
1	Garbage locker	Garbage (food waste)	35.00 kg	
2	Bilge tank	Bilge water	15.00 m ³	
3	No.1 cargo hold	Dry cargo residues (iron ore)	110.00 kg	Part II
4	No.2 cargo hold	Waste oil (sludge) (crude)	120.00 kg	
5	No.1 ballast tank	Ballast water	2500.00 m ³	
		Sediments	250.00 kg	

Part III STORES

III-1 Stores

No.	Location ¹⁾	Name of Item (classification in appendix 1)	Unit quantity	Figure	Approx. quantity	Remarks ²⁾
1	No.1 fuel oil tank	Fuel oil (heavy fuel oil)	-	-	100.00 m ³	
2	CO ₂ room	CO ₂	100.00 kg	50 bottles	5000.00 kg	
3	Workshop	Propane	20.00 kg	10 pcs	200.00 kg	
4	Medicine locker	Miscellaneous medicines	-	-	-	Detail
5	Paint stores	Paint, xx Co., #600	20.00 kg	5 pcs	100.00 kg	Cadmium

New Ship

Shipyards develop IHM at the design and construction stage. Hazardous materials should be checked based on the Material Declaration (MD) furnished by the suppliers in the shipbuilding supply chain.

(MEPC.269(68) 4.1)

Existing Ship

Alternative methods for ships in operation

IHM Experts prepare IHM by assessment of documents and onboard inspection (MEPC.269(68) 4.2)



◆ Additional Hazardous Materials on EU-SRR (PFOS·HBCDD)

- ANNEX I (Control of Hazardous Materials) : Perfluorooctane sulfonic acid (PFOS)
- ANNEX II (List of Items for the IHM): Brominated Flame Retardant (HBCDD)

The table summarizing the minimum*** initial control of (PFOS·HBCDD):

HM	EU-SRR		
	EU ships		Non-EU ships
	New ships*	Existing ships*	
PFOS	✓	✓	-
HBCDD	✓	-	-**

* After the initial preparation of the IHM, it shall be properly maintained and updated reflecting new installations containing HM referred to in Annex II of the SRR (meaning that thereafter all the HM included in Annex I and Annex II of the SRR should be included in the IHM).

** After the initial preparation of the IHM, it shall be properly maintained and updated reflecting new installations containing HM referred to in Annex II of the SRR taking into account the exemptions and transitional arrangements applicable to those materials under international law.

*** For existing and non-EU ships HM included only in Annex II of the SRR should be identified in the IHM as far as practicable.

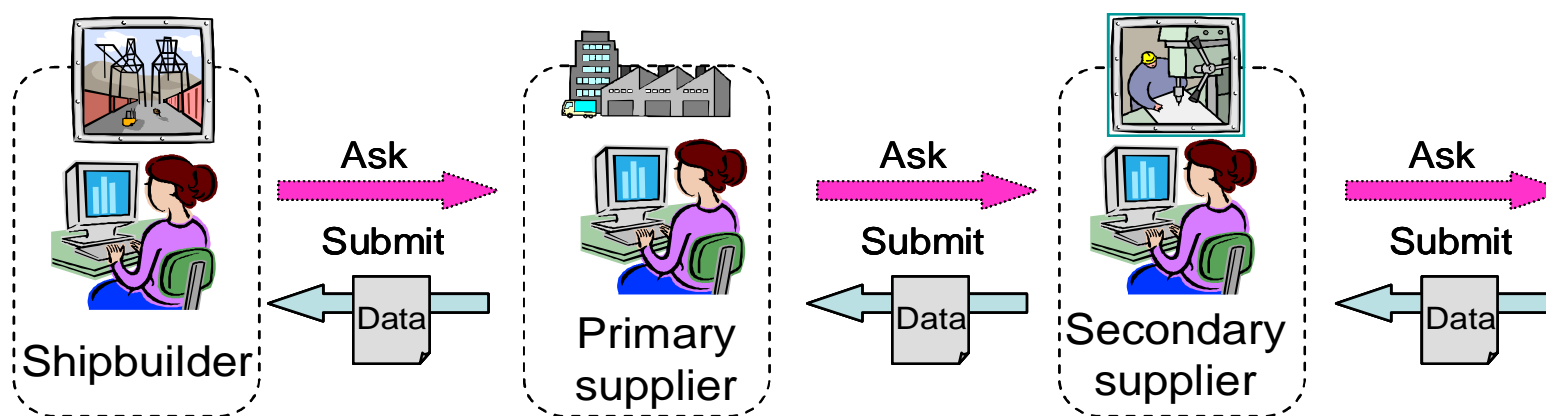
(Source: EMSA's Best Practice Guidance on the Inventory of Hazardous Materials Date: 28-10-2016)

IHM development for New Ships

How to prepare IHM for New Ships

- Shipyards need to prepare the IHM Part I for New Ships by the time of her delivery.
- It is difficult for shipyards to investigate hazardous materials on their own.

The convention set the framework for data collection process through Maritime Supply Chain.



■ Shipbuilder's steps to develop the IHM

<Step1> Request MD and SDoC for all the purchased products on board



<Step2> Record MD/SDoC and screen the products containing HazMat above the threshold level



<Step3> Identify the location of these products and calculate HazMat mass at each location

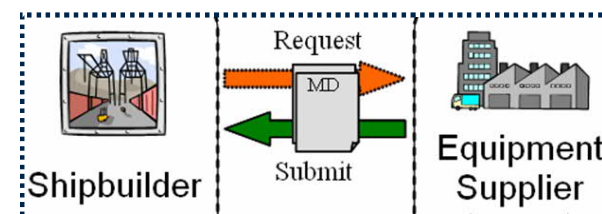


<Step4> Prepare IHM by using standard format



Material Declaration (MD)

- Submission of Material Declaration (MD) for products/equipment
Supplier shall identify and declare whether or not the materials listed in Table A & B are present above the threshold value:



Material Declaration (MD)

Information in Material Declaration (MD)

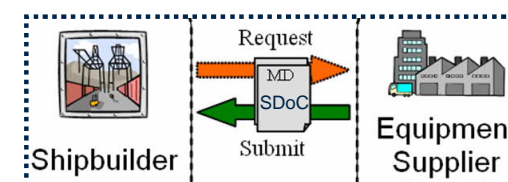
1. Date of declaration
2. Supplier's name
3. Product name
4. Product number
5. Delivered Unit of the product
6. Presence of Hazmat, its mass, and information where it is used

Table B	Materials Listed in appendix 2 of the	Threshold Value	Presence of Hazmat	Mass	Unit
	Mercury and Mercury Compounds	1,000 mg/kg	Yes	10	g
	Polybrominated Biphenyl (PBBs)	1,000 mg/kg	No		

Supplier's Declaration of Conformity (SDoC)

■ Submission of Supplier's Declaration of Conformity (SDoC)

- ✓ SDoC is to provide assurance of conformity of the related MD, and to identify the responsible entity.
- ✓ SDoC shall be submitted together with Material Declaration (MD).



Supplier's Declaration of Conformity (SDoC)

Supplier's Declaration of Conformity		
Supplier's declaration of conformity for Material Declaration Management		
1) No.	ClassNK _____	
2) Issuer's name:	ClassNK _____	
Issuer's address:	4-7 Kioi-cho, Chiyoda-ku, Tokyo, JAPAN	
3) Object of the declaration:	Main Engine ME01 _____ Antifouling Paint AFP02 _____ Water Ballast Pipe WBP03 _____	
4) The object of the declaration described above is in conformity with the requirement of the following documents :		
Document No.:	Title:	Edition/Date of issue
5) N-01	Quality Manual	3rd issue / 1 Jan. 2008
6) Additional Information :	_____	
Signed for and on behalf of:		
Tokyo, JAPAN _____		
11 Nov. 2008 _____		
(Place and date of issue)		
7) Kaji, Taro	General Manager of Quality Assurance Department _____	
(Name, function)	(Signature)	

Contents to be described in SDoC

1. Company name
2. Object of declaration **such as "Main Engine", "Valves" or "All the products"**
3. Document for company's policy on chemical substances management
4. Person in charge and his/her signature
5. Date, place, etc.

SDoC

2015 GUIDELINES FOR THE DEVELOPMENT OF THE INVENTORY OF HAZARDOUS MATERIALS (MEPC.269(68))

- Exemptions- Materials not required to be listed in the Inventory:
 - Materials listed in Table B that are inherent in solid metals or metal alloys, provided they are used in general construction, such as hull, superstructure, pipes, or housings for equipment and machinery (MEPC.269(68) 3.3.1);
 - Printed Circuit Boards (MEPC.269(68) 3.3.2).

For materials in Table A & Table B applicable to the above exemptions, MD can declare “ Present above threshold value” : “NO”.

2015 GUIDELINES FOR THE DEVELOPMENT OF THE INVENTORY OF HAZARDOUS MATERIALS (MEPC.269(68))

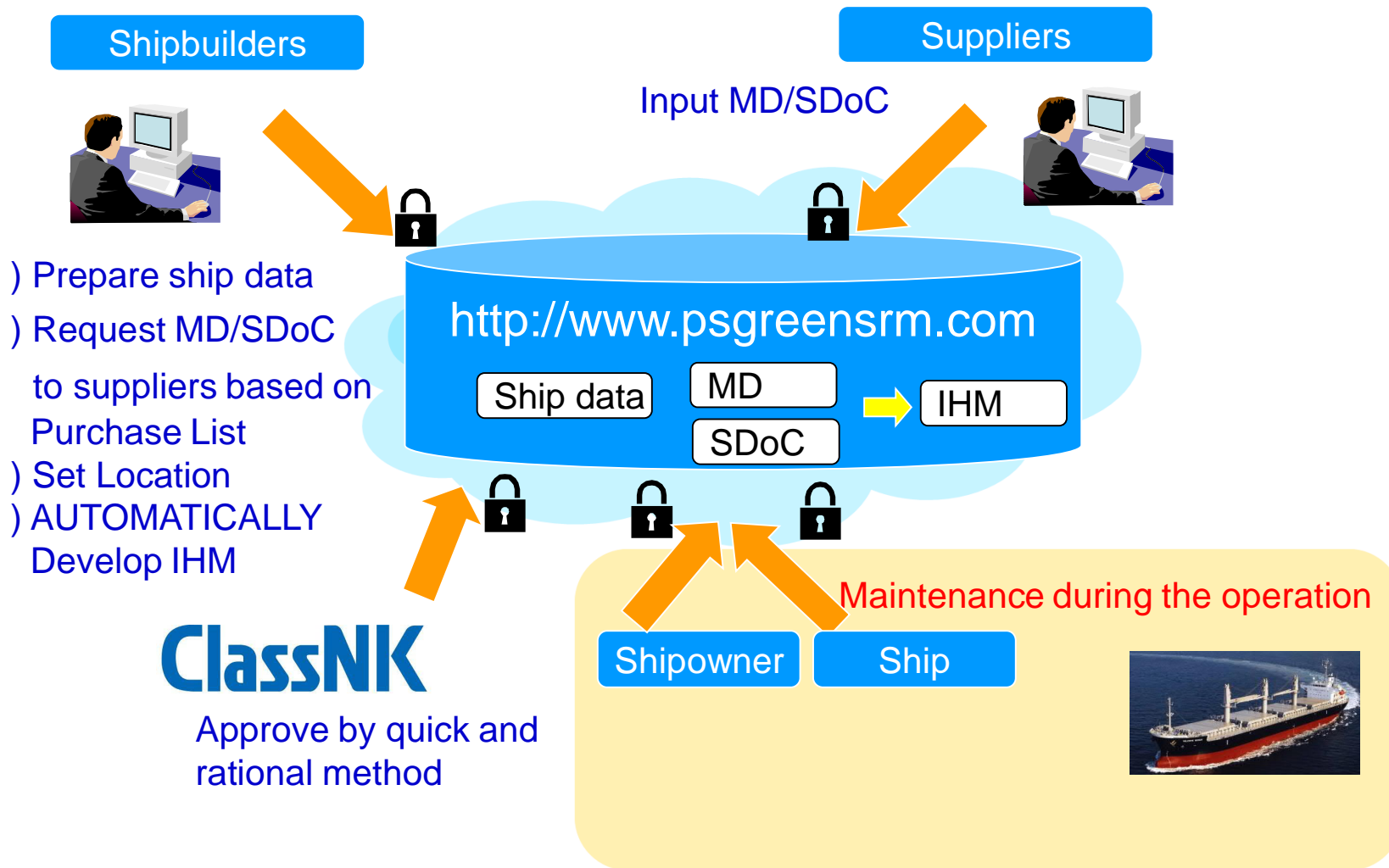
Products/equipment not need to list in IHM Part I

- Regular consumer goods (**Table D**), such as Electrical and electronic equipment, Lighting equipment & Non ship-specific furniture, interior and similar equipment, should be listed in **part III** of the Inventory (MEPC.269(68) 3.2.2).
- For “**Loosely fitted equipment**“, there is no need to list this in part I of the Inventory. Such equipment which remains on board when the ship is recycled should be listed in **part III**. (MEPC.269(68) 3.2.3)
- Batteries containing lead acid or other hazardous materials that are fixed in place should be listed in part I of the Inventory. **Batteries that are loosely fitted**, which includes consumer batteries and batteries in stores, should be listed in **part III** of the Inventory. (MEPC.269(68) 3.2.4)

MD/SDoC for “Regular consumer goods (Table D)”, “Loosely fitted equipment” & “Batteries that are loosely fitted” is not required.

PrimeShip-GREEN/SRM

Concept of PrimeShip-GREEN/SRM



<https://www.psgreensrm.com/>

PrimeShip GREEN/SRM en, v20120522_1100 P

User ID

Password

Login

Supported browsers are: IE7, IE8 and Firefox
IE: Internet Explorer

Register Organization
Renew Password
User Manual(JP) (EN)
FAQ(srpt@classnk.or.jp)
ClassNK

What's New | Issues | Release Notes

2012/05/23
PrimeShip-GREEN/SRM will be shutdown for system maintenance from 2012/05/24 05:00-07:30 JST. We apologize for the inconvenience.

2012/05/16
PrimeShip-GREEN/SRM will be shutdown for system maintenance from 2012/05/26 10:00-11:00 JST. We apologize for the inconvenience.

2012/05/16
PrimeShip-GREEN/SRM will be shutdown for system maintenance from 2012/05/17 05:00-07:30 JST. We apologize for the inconvenience.

2012/05/11
PrimeShip-GREEN/SRM will be shutdown for system maintenance from

The services of PrimeShip-GREEN/SRM are provided by IBM-Japan.
IBM-Japan Group is ISMS (ISO/IEC 27001) certified organization since 2005. (Certification Number: JQA-IM0258)
<http://www.ibm.com/ibm/jp/security/Activity/> 沪ICP备12001588号

- 3 minutes registration, then available anywhere, anytime
- No restriction for ship's class

How to Register

The screenshot shows the PrimeShip GREEN/SRM login interface. At the top, there is a logo for PrimeShip GREEN/SRM and the version number v20140214_1200 P. Language options for English, Japanese, Chinese, and Korean are available. Below the logo, there are input fields for User ID and Password, along with a Login button and a Renew Password link. A callout box with a blue border and a pointer to the 'Register Organization' link contains the following text:

In order to use SRM, owners are kindly requested to register to the system. Then, please tell "Organization Code" to the shipbuilder so that they can deliver the ship data.

The page also features a 'What's New' section with a list of maintenance shutdowns:

- 2014/02/05: PrimeShip-GREEN/SRM will be shutdown for system maintenance from 2014/02/19 09:00-11:00 JST. We apologize for the inconvenience.
- 2014/01/07: PrimeShip-GREEN/SRM will be shutdown for system maintenance from 2014/01/30 09:00-21:00 JST. We apologize for the inconvenience.
- 2013/11/13: PrimeShip-GREEN/SRM will be shutdown for system maintenance from 2013/11/29 14:00-19:00 JST. We apologize for the inconvenience.
- 2013/11/01: PrimeShip-GREEN/SRM will be shutdown for system maintenance from

At the bottom, there is a footer with the following text:

The services of PrimeShip-GREEN/SRM are provided by IBM-Japan.
IBM-Japan Group is ISMS (ISO/IEC 27001) certified organization since 2005.(Certification Number: JQA-IM0258)
<http://www.ibm.com/ibm/jp/security/Activity/> [河ICP备12001588号](#)

How to Register

The screenshot shows the PrimeShip GREEN/SRM user interface. At the top left is the logo and version number 'v20140214_1200 P'. Language options for English, Japanese, Chinese, and Korean are at the top right. The main area contains a login form with 'User ID' and 'Password' fields, a 'Login' button, and a 'Renew Password' link. A central banner image shows a sun over the ocean. To the right, a notice states: 'SRM supports IE7, IE8, IE9, Firefox and Google Chrome. Support for IE10 is being planned for the near future. IE: Internet Explorer'. A blue callout box with a white border and a pointer contains the text 'Click "Register Organization"'. Below the login form, a navigation menu includes 'Register Organization', 'Help', 'FAQ(srpt@classnk.or.jp)', and 'ClassNK'. A 'What's New' section lists several system maintenance shutdowns with dates and times. At the bottom, there is a footer with text: 'The services of PrimeShip-GREEN/SRM are provided by IBM-Japan. IBM-Japan Group is ISMS (ISO/IEC 27001) certified organization since 2005.(Certification Number: JQA-IM0258) <http://www.ibm.com/ibm/jp/security/Activity/> [沪ICP备12001588号](#)'.

How to Register

Add New Organization		IV03MP00201
Category Code(*)	Shipbuilder	<input type="text"/>
Organization Name(*)	<input type="text"/>	
Organization Name (Abbreviation)	<input type="text"/>	
Alternative Org. Name(Local name,etc.)	<input type="text"/>	
Mother Language	<input type="text"/>	
Country(*)	<input type="text"/>	
Postal Code	<input type="text"/>	
Address(*)	<input type="text"/>	
Telephone number(*)	<input type="text"/>	Enter in int'l format. (i.e. +81-3-1234-5678)
Fax No.	<input type="text"/>	Enter in int'l format. (i.e. +81-3-1234-5678)
Organization Remarks	<input type="text"/>	

Please input both in English and in your local language for all the users who refer your organization information.

For protection of an organization information, only the name, address, telephone no. and organization remarks is listed at the search. Inputting the products, person in charge, contact address is recommended to be found easily.

How to Register

Register Administrator

IV02MP00101

[Return](#)

User Name(*)	<input type="text"/>	ex.) Taro Kaiji
User Name (Native Lang.)	<input type="text"/>	ex.) KAIJI TARO
Contact Information	<input type="text" value="1"/>	
E-Mail(*)	<input type="text"/>	
Reenter e-mail address(*)	<input type="text"/>	
Initial value of due date	<input type="text" value="7"/> day(s)	*the due date of a HM checking request is automatilally filled as the day after this value.
Authorized to create ship data	<input checked="" type="checkbox"/> Check to add access rights to create ship data.	
Authorize to delete ship data	<input checked="" type="checkbox"/> Check to add access rights to delete ship data.	

> E-Mail to receive settings

HM checking request	<input checked="" type="checkbox"/> Receive notification for responses or comments to HM checking requests	<input checked="" type="checkbox"/> Receive HM checking related e-mails that you have replied, commented or received	<input type="checkbox"/> Receive HM checking related e-mails that you have replied, commented or received
IHM application	<input checked="" type="checkbox"/> Receive notification of IHM approval or modification requests.		
Transfer ship	<input checked="" type="checkbox"/> Receive notification that a ship has been transferred to your organization		

Check items which you would like to receive e-mails.
Password notification and other e-mails required to access the system will be sent by default.

[Clear All](#)

[Register](#)

【Organization】

- Company or other unit to register to the system
- Organization Code: ex. "B100001"

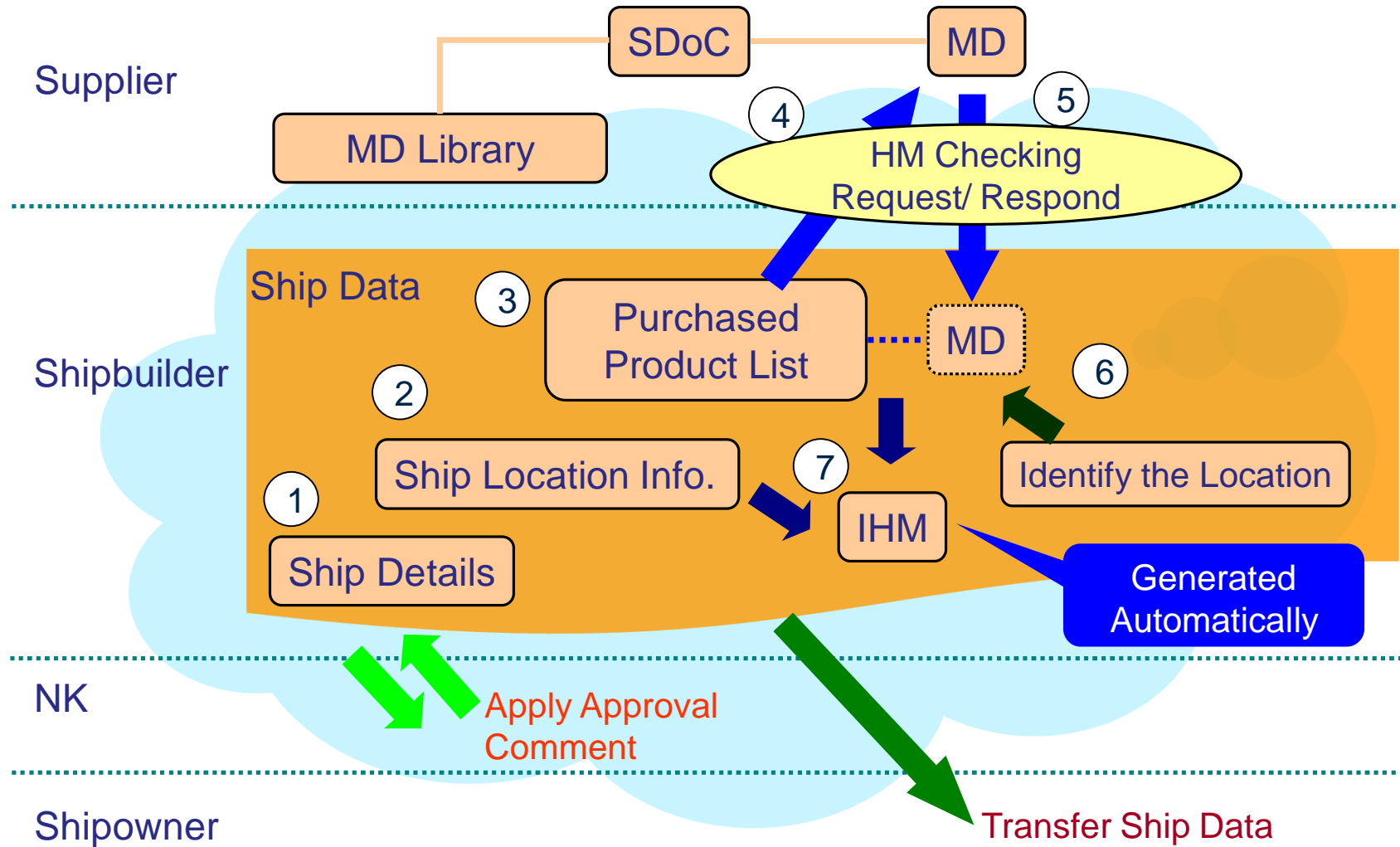
【Administrator】

- One Administrator is registered at the organization registration.
- User ID for the administrator is automatically created: ex. "B100001C"
- Administrator can add/edit/delete/renew password of general users

【General User】

- User ID can be freely created by the administrator.
- It is recommended to set Personal email address as "User ID".

Workflow at PrimeShip-GREEN/SRM



Procedures at Shipyard

Procedures		
User Registration	Organization/Administrator registration	
	Users registration	
Edit ship data	① Search Ship	
	② Edit Ship Location Info.	
Data entry	③ Edit Purchase List (single entry/multiple upload)	
	④ HM Checking Request to suppliers	Substitute MD/SDoC entry
	⑤	
	⑥ Edit MD Location	
View/ Apply IHM	Related Document (GA, MA)	
	⑦ Generate IHM	
	Apply the approval for IHM	
Transfer Ship Data to the shipowner		

Sample Output (1/2)

1

Inventory of Hazardous Materials Identification No. _____

INVENTORY OF HAZARDOUS MATERIALS
ATTACHMENT TO THE INTERNATIONAL CERTIFICATE ON INVENTORY OF HAZARDOUS MATERIALS

Name of Ship		ClassNK SRM
Distinctive number or letters		NK001
Port of Registry		Singapore
Gross Tonnage		28,465
IMO number		9999999
Shipowner	Name	ClassNK Maritime
	Address	Singapore
IMO registered owner identification number		
IMO company identification number		
Date of Construction		2011/04/05

Completion date of survey on which this document is based: _____

Issue at: _____

Date of Issued: _____

(signature of duly authorized official issuing the certificate)
(Seal or stamp of the authority, as appropriate)

This inventory was developed in accordance with the Guidelines for the development of the Inventory of Hazardous Materials.

Sample Output (2/2)

INVENTORY OF HAZARDOUS MATERIAL

I - 2 Equipment and machinery containing materials listed in Table A and Table B of appendix 1 of the guidelines

No.	Location	Name of equipment and machinery	Materials (classification in appendix 1)	Parts where used	Approx. quantity	Remarks
35		BC16K32 ANGLE VALVE (x2 piece) [UCHIYAMA VALVE SEISAKUSHO CO.,LTD : FL1632]	Lead and lead compounds	BODY,BONNET,SPINDLE,DISC	0.68kg	
36	Hull Part /Tank Part /Water Ballast Tanks	ZINC ANODE (x8472 kg) [HAEDONG METAL CO.,LTD. : HDM1006]	Cadmium and cadmium compounds	ZINC ANODE 0.025%~0.07%(500mg/kg) in sea water ballast tanks	<0.01kg	
37	Hull Part /Deck Store	MULTI-PURPOSE DRY CHEMICAL FIRE EXTINGUISHER (x12 piece) [YAMATO PROTEC CORPORATION : SA-17NR]	Lead and lead compounds	HOSE NIPPLE / NOZZLE NIPPLE / VALVE BODY	0.04kg	
38		CARBON DIOXIDE FIRE EXTINGUISHER (x4 piece) [YAMATO PROTEC CORPORATION : SC-11]	Lead and lead compounds	CYLINDER VALVE	0.12kg	
		Deck Scupper Plug (x20 piece) [Nikura Kogyo Co.,Ltd. : 50 N-125]	Cadmium and cadmium compounds	Mark:A24 Piece(0.004)	<0.01kg	
			Lead and lead compounds	Mark:A24 Piece(0.74)	0.02kg	
40		BC5K100 BASE FITTING ANSI type (x1 piece) [UCHIYAMA VALVE SEISAKUSHO CO.,LTD : FHR5100 ANS]	Lead and lead compounds	BODY , COUPRING	0.27kg	
41		BC5K100 BASE FITTING NAKAJIMA type (x1 piece) [UCHIYAMA VALVE SEISAKUSHO CO.,LTD : FHR5100 KAJIMA]	Lead and lead compounds	BODY , COUPRING	0.34kg	
		ASH LIGHT (x2 piece) [UKI KOGYO CO.,LTD. : XZK-DS022]	Lead and lead compounds	Socket / Terminal Block / Cable Gland etc	0.04kg	
		ASH LIGHT (x1 piece) [UKI KOGYO CO.,LTD. : XZK-DS021]	Lead and lead compounds	Socket / Terminal Block / Cable Gland etc	0.02kg	
44		AUTOMATIC UNLOADING SYSTEM (x1 piece) [SHINKO IND.LTD. : AUS300-4]	Lead and lead compounds	LANTERN RING(CA406), BUSH(CA406), GLOBE VALVES(CA406)	4.03kg	

② ⑥
Location Info.

③ ④ ⑤
MD and HM Data for each location

② Search Ship

Ship MD/SDoC Manage IHM Maintain Master Help Contact us Logout

Selected: Const. Shipbuilder Ship No. Ship Name IMO No.

Ship Information #01SP00101

Construction Shipbuilder(Partial match)

Ship Name

Ship Type

Date of Construction

Date of Revision

Sort(*) Ship No. Asc Desc Display Result Count(*) 10

Asterisks (*) can be used for partial match search on search criteria labeled (Partial match)

Click [Search] to show ships under control. Check "Select" column and click function buttons in the middle or click Detail.

Total 13 record(s) <- Prev 1 [2]

No	Select	Detail	Construction Shipbuilder	Ship Name	Shipowner	Ship Type	Date of Construction	Apply-To Class	Trans./ Sold
			Ship No.	IMO No.		Date of Revision			
11	<input type="radio"/>		Ship Models	Very Large Crude (Oil) Carrier		Very Large Crude (Oil) Carrier			<input type="checkbox"/>
			VLCC						
12	<input type="radio"/>		ClassNK Shipbuilding 1			test			<input type="checkbox"/>
			tese						
13	<input type="radio"/>		IBM Shipbuilding 1			b			<input type="checkbox"/>
			test						

Total 13 record(s) <- Prev 1 [2]

② Edit Ship Location Information

Edit Ship Location Information.
IV01SP0221

Return

> Ship Detail

Shipbuilder ClassNK Shipb
Ship Name

> Location Detail

Expand Collapse

- [-] Top
- [-] Allover the ship
- [-] Hull Part
 - [-] Fore Part
 - Bosun Store
 - Upper Deck
 - Forecastle Deck
 - Fore Mast
 - Cargo Part
 - Tank Part
 - Superstructure
 - Deck House
 - Aft Part
 - Machinery Part
 - Outside of Hull

Edit selected location

Location Full Path Hull Part/Fore Part
Location

Update Delete Add

Add a new Location as a sub-location under the selected one.

New Location Add

- Prepare the names of rooms/compartments on board the ship, that is related to MD
- IHM is generated according to the displayed order
- Edit by drag and drop

*The locations can be dragged and dropped to a different position.
 *The IHM is generated according to the displayed location order.

Update

③ Purchased Product List

Purchased Product Mgmt

Return

Shipbuilder: ClassNK Shipbuilding 1

Ship Name: _____

Purchased Product Category: _____

Purchased Product Code: _____

Product Number: _____

Supplier code: _____

HM Checking Method: _____

Only items with HM above Threshold:

Date of Request: _____ - _____

Completed On: _____ - _____

Sort (🔴) Purchased Product Code Asc Desc

Register Purchased Product 03101

Purchased Product (🔴) _____

Purchased Product Category: _____

Purchased Product Code: _____

Product Number: _____

Amount: _____

Unit: _____

IHM Categorization: I-2 Equipment and Machinery

Application of Paint: _____

HM Checking Method: Undefined

Supplier: _____

Internal Note: _____

Clear All

Register

Close

Input one by one

Delete Checked Records | Input Suppliers for checked records | HM

Download Purchase List(CSV)

Total 108 record(s) [1] 2 Next->

No	✓	Detail	Purchased Product Category	Purchased Product Code	Product Number
1	<input type="checkbox"/>		Electrical power supply appliance	E-01-01 Main generator	
	<input type="checkbox"/>		Electrical power	E-01-01-3	

Upload Purchase List

Return | Download Suppliers Master for reference

> Input Sheet Download

Input Sheet Language: Japanese Download Purchase List Input Sheet

> Purchase List Upload Information

Shipbuilder: ClassNK Shipbuilding 1

Ship No.: 661

Ship Name: _____

IMO No.: _____

File Name: 選択されていません

Bulk insert from the excel file

Purchased Products Items

Add Purchased Product
IV01SP0310101

Purchased Product(*)	<input type="text"/>	Shipowner's Purchased Product Name(required)
Division	<input type="text"/>	
Purchased Product Category	<input type="text"/>	Category(option)
Purchased Product Code	<input type="text"/>	
Product Number	<input type="text"/>	Internal code(option)
Amount	<input type="text"/>	
Unit	<input type="text"/>	
IHM Categorization	<input type="text" value="I-2 Equipement and Machinery"/>	Product No.(option) designated by Shipowner
Application of Paint	<input type="text"/>	
HM Checking Method(*)	<input type="text" value="Undefined"/>	
Supplier	<input type="text"/>	Reference at this moment (Supplier designation is made at the next "HM Checking Request")
Auto-Reminder	<input type="checkbox"/> If the HM Checking Request status remains "In progress" after the due date inputted at the request, the request mail is sent daily as a reminder.	
Internal note	<div style="border: 1px solid #ccc; height: 100px;"></div>	

Clear All
Add
Close

④ HM Checking Request-Run (1/3)

Total 282 record(s) [1] 2 3 Next->

Run HM Checking Request IV01CP0120 Request No.

Contact Person

Please input the org. code of a supplier. If the supplier has yet to register the system, HM Checking Request can be made by inputting the supplier's e-mail address.

1 HM Checking Request No. AJ0000000000000000068 10000005
 Shipbuilder ClassNK Shipbuilding 1 ji, JIro
 IMO No. 9999999 Ship No. NK002
 2 Supplier Code MD00001 10000005
 Due Date
 3 Comment to Supplier

> Unregistered Supplier Information

4 Contact person e-mail E-mail

> Purchased Product Information

No	Purchased Product Code	Product Number	Amount	Inspection request	Inspection Complete
1	E-01-01 Main generator				
2	E-01-02 Emergency generator			Inspection request	Inspection Complete
3	E-01-03 Main switchboard			Inspection request	Inspection In Progress

Select the target products and run [HM Checking Request](multiple select enable)

Even if the supplier has yet to register, the request can be made by inputting their email address

④ Search Supplier (2/3)

Supplier Search Dialog IV01XP00102D

Org. Code: MD00001 Org. Name:

Org. Name (Abbr.): Country of Residence:

Remarks*:

No	Select	Org. Code	Org. Name (Abbr.)	Country of Residence	Address	Remarks
		Org. Name			Phone Number	
1	<input checked="" type="radio"/>	MD00001	NKTEC	Japan	4-7 Kioi-cho, Chiyoda-ku, Tokyo	Contact S. Kaiji for detail(primeshipgreensrmtest2@gmail.com).
		NKTEC			+81-3-5226-2040	

④ Monitor the respond status (3/3)

Shipbuilder can always monitor the respond status from suppliers

Total 481 record(s) [1] 2 3 4 5 Next->

No	<input type="checkbox"/>	Detail	Purchased Product Category	Purchased Product Code Purchased Product	Product Number	Supplier code	HM Checking Method	Completed On	Contain HM above Threshold	NOT Transfer supplier data	HM Checking Request No.	
						Supplier	Status				Date of Request	Contact Person
1	<input type="checkbox"/>			New Generator	463743		Substitute	2011-07-07	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2	<input type="checkbox"/>			New Generator 2		MD00001	HM Checking Request	2011-07-07	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AJ0000000000000000160	
						NKTEC	HM Checking Complete				2011-07-07	Shiro Kaiji
3	<input type="checkbox"/>			04S4176 2.6m WHIP ANTENNA for MF/HF radio equipment			Substitute	2010-06-25	<input type="checkbox"/>	<input type="checkbox"/>		
4	<input type="checkbox"/>			04S4176 2.6m WHIP ANTENNA for Weather Facsimile			Substitute	2010-06-25	<input type="checkbox"/>	<input type="checkbox"/>		
							HM Checking Complete					

⑤ HM Checking Request-Response from Supplier

Total 282 record(s) [1] 2 3 Next->

No	Detail	Purchased Product Category	Purchased Product Code	Purchased Product	Product No.	Inspection Complete	HM Checking Request No.	Date of Request	Contact Person
1	<input type="checkbox"/>	Electrical power supply appliance	E-01-01	Main generator	NKTEC	request	AJ00000000000000000005	2011-04-18	Kaiji, Jiro

Once the Supplier respond, "Status" is updated.

Return | HM Checking Request | Input by Acting MD Entry | Lookup MD Library | Delete

> Purchased Product Information

Shipbuilder	ClassNK Shipbuilding 1
Ship No.	NK002
Ship Name	test
IMO No.	9999999
Purchased Product	Main generator
Purchased Product Category	Electrical power supply appliance
Purchased Product Code	E-01-01
Product Number	
Amount	
Unit	
Ref. Location	
IHM Categorization	

> MD list

Edit MD Location

No	Select	MD ID No.	Product information	Amount	Unit	Contain HM above Threshold	SDoC ID No.	Modify	Delete
1	<input type="radio"/>	MD_NKTEC_GDP...20110105	EGE03	1	piece	<input checked="" type="checkbox"/>	SD_NKTEC_20100102		

Confirm the MD from the detail
Edit the Location by [Edit MD Location]

⑤ HM Checking Request-Confirm MD

Material Declaration

<Date of delcaration>

Date of declaration 2011-01-05

<MD ID number>

MD ID No. MD_NKTEC_GDE_EGE03_20110105

<Other information>

Remark1

Remark2

Remark3

<Product information>

Product name

GENERATOR

Prod

EGE

Table	Material name	Threshold level	Present Above Threshold Level	Mass	Unit	Information on where it is used
A	Asbestos	no threshold level	<input type="checkbox"/>			
A	Polychlorinated biphenyls (PCBs)	no threshold level	<input type="checkbox"/>			
A	Chlorofluorocarbons (CFCs)	no threshold level	<input type="checkbox"/>			
A	Halons	no threshold level	<input type="checkbox"/>			
A	Other fully halogenated CFCs	no threshold level	<input type="checkbox"/>			
A	Carbon tetrachloride	no threshold level	<input type="checkbox"/>			
A	1,1,1-Trichloroethane (Methyl chloroform)	no threshold level	<input type="checkbox"/>			
A	Hydrochlorofluorocarbons	no threshold level	<input type="checkbox"/>			
A	Hydrobromofluorocarbons	no threshold level	<input type="checkbox"/>			
A	Methyl bromide	no threshold level	<input type="checkbox"/>			
A	Bromochloromethane	no threshold level	<input type="checkbox"/>			
A	Anti-fouling systems containing organotin compounds as a biocide	2500 mg total tin/kg	<input type="checkbox"/>			
B	Cadmium and cadmium compounds	100 mg/kg	<input checked="" type="checkbox"/>	1.05	g	Magnetic switch in SB panel (15sets)
B	Hexavalent chromium and hexavalent chromium compounds	1000 mg/kg	<input checked="" type="checkbox"/>	4.8	g	Pressure switch(2sets)
B	Lead and lead compounds	1000 mg/kg	<input checked="" type="checkbox"/>	1.8	g	Solder for pressure switch(2sets)
B	Mercury and mercury compounds	1000 mg/kg	<input checked="" type="checkbox"/>	0.3	g	Thermometer for E..G.E (Total 3sets)
B	Polybrominated biphenyl (PBBs)	1000 mg/kg	<input type="checkbox"/>			
B	Polybrominated diphenyl ethers (PBDEs)	1000 mg/kg	<input type="checkbox"/>			
B	Polychlorinated naphthalenes (more than 3 chlorine atoms)	no threshold level	<input type="checkbox"/>			
B	Radioactive substances	no threshold level	<input type="checkbox"/>			
B	Certain shortchain chlorinated paraffins (Alkanes, C10-C13, chloro)	0.01	<input type="checkbox"/>			
Output						

Alternative way to collect MD/SDoC

If a supplier has no access to the web or reject the registration to PrimeShip-GREEN/SRM???

The shipbuilder can input the MD/SDoC on behalf of the supplier: **Input by Substitute MD/SDoC Entry**

* NOT recommended for shipowners because MD/SDoC inputs are additionally required

Input SDoC (substitute)

Supplier

- (1) Fill in SDoC form and sign
- (2) Scan and prepare PDF



SD-NKE-20100107.pdf

Send by Email

Shipbuilder

Upload SDoC File

Register SDoC IV01CP02201

File 選択されていません
*The maximum filesize is 5MB.

SDoC ID No.

Supplier NKTEC Supplier Name (Abbr.) NKTEC

Object(s) of the declaration

Date of Issue

Register

Shipbuilder's Input by Substituting MD Entry

[Delete Checked Records](#)
[Input Suppliers for checked records](#)
[HM Checking Request](#)

[Download Purchase List\(CSV\)](#)

Total 799 record(s) [1] 2 3 4 5 6 7 8 Next->

No	<input checked="" type="checkbox"/>	Detail	Purchased Product Category	Purchased Product Code	Product Number	Supplier code	HM Checking Method	Completed On	Contain HM above Threshold	NOT Transfer supplier data	HM
				Purchased Product		Supplier	Status				Re
1	<input type="checkbox"/>			#10N-B-10K-125		MD00001	MD library	2011-05-31	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
				Expansion joint		NKTEC	HM Checking Complete				
2	<input type="checkbox"/>			#10N-B-10K-150			Register MD (sub.)	2010-12-13	<input type="checkbox"/>	<input type="checkbox"/>	
				Expansion joint		DAIDO KINZOKU	HM Checking Complete				
3	<input type="checkbox"/>								<input type="checkbox"/>	<input type="checkbox"/>	

Modify Purchased Product

- [Return](#)
- [HM Checking Request](#)
- [Substitute MD/SDoC Entry](#)
- [Lookup MD Library](#)

Purchased Product Information

Shipbuilder	ClassNK Shipbuild
Ship No.	NKS010
Ship Name	ClassNK SRM S
IMO No.	9999999

Register Material Declaration

- [Return](#)
- [Upload SPIS File](#)

Material Declaration

<Date of delcaration>

Date of declaration(*)

<MD ID number>

MD ID No.(*)

<Other information>

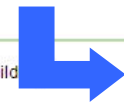
Remark1

Remark2

<Supplier (respondent) information>

Company name(*)

Divison name



MD Library

By obtaining disclosed MD data from MD Library, the shipowner can omit HM Checking Request.

> Purchased Product Information

Shipbuilder: ClassNK Shipbuilding 1
 Ship No.: NK001
 Ship Name: ClassNK SRM
 IMO No.:

MD Library

Date of declaration: -
 MD ID No.:
 Supplier: Supplier Code: MD00001
 SDoC ID No.:
 Product name:
 Product number:
 Sort: Date of declara Asc Desc

⑥ Edit MD Location (1/3)

Input the Location for the MD containing HM

MD Location IV01IP00101



[Return](#)

Shipbuilder	ClassNK Shipbuilding 1	Ship No.	NK002
Ship Name	test	IMO No.	9999999
Purchased Product Code	<input type="text"/>	Purchased Product	<input type="text"/>
MD ID No.	<input type="text"/>	MD Product name	<input type="text"/>
Location Edit Flag	<input type="text"/>	Contain HM above Threshold	<input type="checkbox"/>

Sort(*) Asc Desc

[Search](#)

Total 2 record(s) [1]

No	Detail	Purchased Product Code Purchased Product	MD ID No.	MD Product name	MD Product number	MD Product information	Delivered amount	Delivered Unit	Location Set Flag	Contain HM above Threshold	Supplier
1	 Main generator	E-01-01	MD_NKTEC_GDE_EGE03_20110105	GENERATOR	EGE03		1	piece	Not set	<input checked="" type="checkbox"/>	NKTEC
2	 Emergency generator	E-01-02	MD_NKTEC_GDE_EGE03_20110105	GENERATOR	EGE03		1	piece	Not set	<input checked="" type="checkbox"/>	NKTEC

⑥ Edit MD Location-Input (2/3)

Edit MD Location IV01IP00202

> **MD description**

Purchased Product: Main generator MD Product name: GENERATOR MD Product number: EGE03 Amount: 1 Unit: piece

> **IHM Product Information**

IHM Categorization: Application of Paint:

> **Location Information**

To make modifications to an existing location, delete the row and add a new location.

No.	Used amount	Unit	Location	Update	Delete

> **MD remarks**

Remark:

Choose the appropriate category for the product:
Part I-1 Paints and coating systems
Part I-2 Equipment and machinery (default value)
Part I-3 Structure and Hull

⑥ Edit MD Location-Input (3/3)

Add New Location IV01IP00203

[Return](#)

> **MD description**

Purchased Product: Main generator Product name: GENERATOR Product number: EGE03 Amount: 1 Unit: piece

> **Used amount at the Location**

Used amount(*) Unit

> **Location**

[Expand](#) [Collapse](#)

- [-] Top
 - [-] All over the ship
 - [-] Hull Part
 - [-] Machinery Part
 - [-] Engine Room
 - [-] Lower Floor
 - [-] 4th Deck
 - [-] 3rd Deck
 - [-] 2nd Deck
 - [-] Engine Casing
 - [-] Funnel
 - [-] Outside of Hull

Selected Location

Location Full Path: Machinery Part/Engine Room/Lower Floor
Location: Lower Floor

*Select a location by clicking on the location tree.

Location information

To make modifications to an existing location, delete the row and add a new location.

[Add Location](#)

No	Used amount	Unit	Location	Update	Delete
1	1	piece	Machinery Part/Engine Room/Lower Floor	Add	

> **MD remarks**

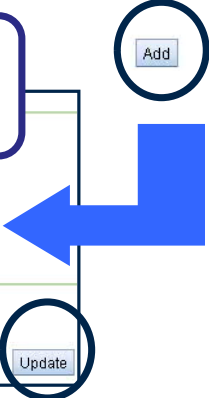
Remark

[Add](#) [Update](#)

Input the used amount at the Location

Select the proper location

Click [Update] to save the inputted location



⑦ Generate IHM

Generate IHM IV01IP01201

[Return](#) [Edit MD Location](#)

> IHM Information

Shipbuilder Division Name	<input type="text"/>
Shipbuilder contact person	<input type="text"/>
Shipbuilder telephone number	+81-3-5226-2039
Shipbuilder's Fax number	+81-3-5226-2039

> Revision history

i Revision history is supposed to be maintained after the ship's delivery.

Version	Revision Comment	Date of Revision	Description
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

[Generate IHM](#)

i The IHM can be submitted for approval or cancelled from the detail page.

The IHM has been created.

[IHM Mgmt](#)

View/Apply IHM








View IHM/other reports, and apply the approval to NK

View/Apply IHM

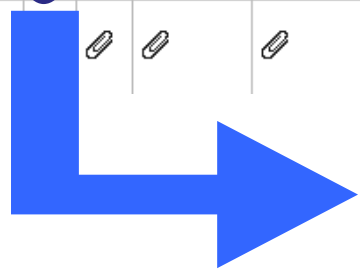
Approval Status	<input type="text"/>	Include Transferred/Sold	<input type="checkbox"/>
Shipbuilder	ClassNK Shipbuil	Ship No.	NK002
Ship Name	test	IMO No.	9999999
Sort(*)	Approval Status <input type="text"/>	Asc Desc	

Total 7 record(s)

[1]

No	Detail	IHM	Reference IHM	Collist	Ship Name	IMO No.	Apply-To Clas
1					ClassNK Shipbuilding 1 NK002	test	9999999
2					ClassNK		

Download and open the report



IHM Application Submit Comment IV01IP013

> Application submit comment

Comment	Time and Date
<input type="text"/>	<input type="text"/>

> Approval/Revision request comment

Comment	Time and Date
<input type="text"/>	<input type="text"/>

Comment on the web

Outputs: IHM

Inventory of Hazardous Materials Identification No.

INVENTORY OF HAZARDOUS MATERIALS

ATTACHMENT

Distinct

Shipowner

IMO registered

IMO compliance

Date

No.	Location	Name of equipment and machinery	Materials (classification in appendix 1)	Parts where used	Approx. quantity	Remarks
1	All over the ship	BUTTERFLY VALVE (x165 piece) [NAKAKITA SEISAKUSHO CO.,LTD. : CBT-4204, BIT-1204 PCBT-3200, PIBT-3200]	Lead and lead compounds	Paint (Only 31 pcs valves.)	1.06 kg	
2		Drain Plugs D24 (x36 piece) [KANEJOSHOUJI CO.,LTD : Drain Plugs D24]	Lead and lead compounds	plug	0.22 kg	
3		Silver based brazing filler metals (x1 kg) [Neis Co., Ltd : SII 107]	Cadmium and cadmium compounds	filler metals	0.35 kg	
4	Hull Part Fore Part	BOLT,NUT,SW M24X70 (x1 piece) [FUJIMOTO SANGYO CO.,LTD : BOLT,NUT,SW M24X70]	Hexavalent chromium and hexavalent chromium	FOR THE SURFACE	0.48 kg	
5		BOLT,NUT,SW M30X90 (x1 piece) [FUJIMOTO SANGYO CO.,LTD : BOLT,NUT,SW M30X90]	Hexavalent chromium and hexavalent chromium	FOR THE SURFACE	0.93 kg	
6		BOLT,NUT,SW M36X95 (x1 piece) [FUJIMOTO SANGYO CO.,LTD : BOLT,NUT,SW M36X95]	Hexavalent chromium and hexavalent chromium	FOR THE SURFACE	1.59 kg	

Outputs: MD Collected/Uncollected List

577_Material_List_20110520221436609 (1).pdf - Adobe Acrobat
 ファイル(F) 編集(E) 表示(V) 文書(D) 注釈(Q) フォーム(B) ツール(T) アドバンス(A) ウィンドウ(W) ヘルプ(H)

2 / 16 67.5% 検索

Collected MD List Creation Date: 2011/05/28

Ship Number: 577

No.	Manufacturer	Product Name	Product Number	Mass per Product		Supplied Quantity	Hazardous Material	Inventory No.	MD ID No.	SDOC ID No.	Code No.	Product Information
				Mass	Unit							
30	Manabe Zoki Co., Ltd.	Windlass	WL-60-10-2HD-1WE	2	piece	2	Yes	1,242.1,2.4	010006	SD_MHSDX_20100623	WL-60-10-2HD-1WE	WL1, WL2
31	SANSHIN ELECTRIC CORPORATION	MARINE FLOOD LIGHT	FDL-R17	6	piece	6	Yes	1,244.1,2.2 75.4,2.205	MD_SEC_FLDLT_FDL R17_20100615	SD_SEC_20100212	FDL-R17	
32	IBUKI KOGYO CO.,LTD.	PISTON HORN WITH HEATER	MH550-H	1	piece	1	Yes	1,345	MD_SHR_MH5_002_20091201	SD_SHR_20091201	MH550-H	200W
33	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169A	2	piece	2	Yes	1,246.1,2.4 7	MD_YASIO_HCOVFLH C169A_20101202	SD_YASIO_20100310	C169A	Panel Body (1F1 / 1A1)
34	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169B	1	piece	1	Yes	1,248.1,2.4 7	MD_YASIO_HCOVFLH C169B_20101202	SD_YASIO_20100310	C169B	Panel Body (1F2)
35	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169C	1	piece	1	Yes	1,250.1,2.5 7	MD_YASIO_HCOVFLH C169C_20101202	SD_YASIO_20100310	C169C	Panel Body (1A2)
36	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169G1	112	piece	112	Yes	1,252.1,2.5 82.1,2.011 27.1,2.79 12.86	MD_YASIO_HCOVFLH C169G1_20101202	SD_YASIO_20100310	C169G1	Grease Nipple (On Upper Deck Fittings)
37	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169G2	19	piece	19	Yes	1,254.1,2.5 3.1,2.72,1.2 81	MD_YASIO_HCOVFLH C169G2_20101202	SD_YASIO_20100310	C169G2	Non Return Valve Body (On Upper Deck Fittings)
38	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169D	9	piece	9	Yes	1,255.1,2.5 8.1,2.84,1.2 85.1,2.75,1 274	MD_YASIO_HCOVFLH C169D_20101202	SD_YASIO_20100310	C169D	Panel Body (2F1, 3F1, 4F1, 2A1, 3A1, 4A1)
39	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169E	9	piece	9	Yes	1,257.1,2.5 8.1,2.86,1.2 87.1,2.75,1 276	MD_YASIO_HCOVFLH C169E_20101202	SD_YASIO_20100310	C169E	Panel Body (2F2, 3F2, 4F2)
40	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169F	3	piece	3	Yes	1,259.1,2.5 0.12,08,1.2 86.1,2.77,1 278	MD_YASIO_HCOVFLH C169F_20101202	SD_YASIO_20100310	C169F	Panel Body (2A2, 3A2, 4A2)
41	Manabe Zoki Co., Ltd.	Crane	MDW-3020-115	4	piece	4	Yes	1,250.1,2.4 11.2,4.1,4.1	MD_MHSDX_CRANE MDW3020-115	SD_MHSDX_20100623	MDW-3020-115	

No.	Manufacturer	Product Name	Product Number	Mass per Product		Supplied Quantity	Hazardous Material
				Mass	Unit		
30	Manabe Zoki Co., Ltd.	Windlass	WL-60-10-2HD-1WE	2	piece	2	Yes
31	SANSHIN ELECTRIC CORPORATION	MARINE FLOOD LIGHT	FDL-R17	6	piece	6	Yes
32	IBUKI KOGYO CO.,LTD.	PISTON HORN WITH HEATER	MH550-H	1	piece	1	Yes
33	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169A	2	piece	2	Yes
34	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169B	1	piece	1	Yes
35	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169C	1	piece	1	Yes

