

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

Contents:

1. Ship Recycling Convention
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

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

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	
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 II

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

Part III

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.

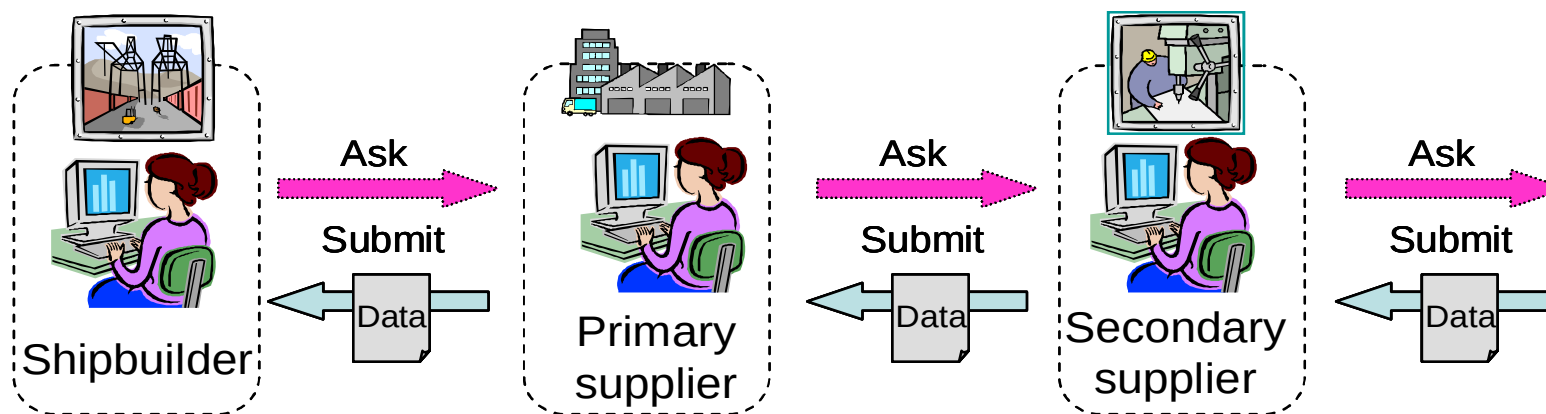
(Source: EMSA's Best Practice Guidance on the Inventory of Hazardous Materials Date: 28-10-2016)

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.



Development of IHM

■ 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



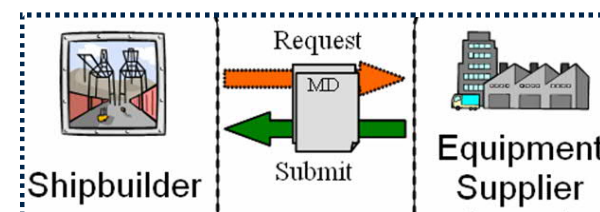
<Step4> Prepare IHM by using standard format



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)

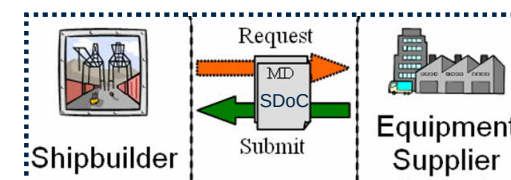
1. Date of declaration
2. Supplier's name
3. Product name
4. Product number
5. Delivered Unit of the product
6. Presence of Hazmat, its mass, and information where it is used

Table B Materials Listed in Appendix 2 of the	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 Kishi-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))

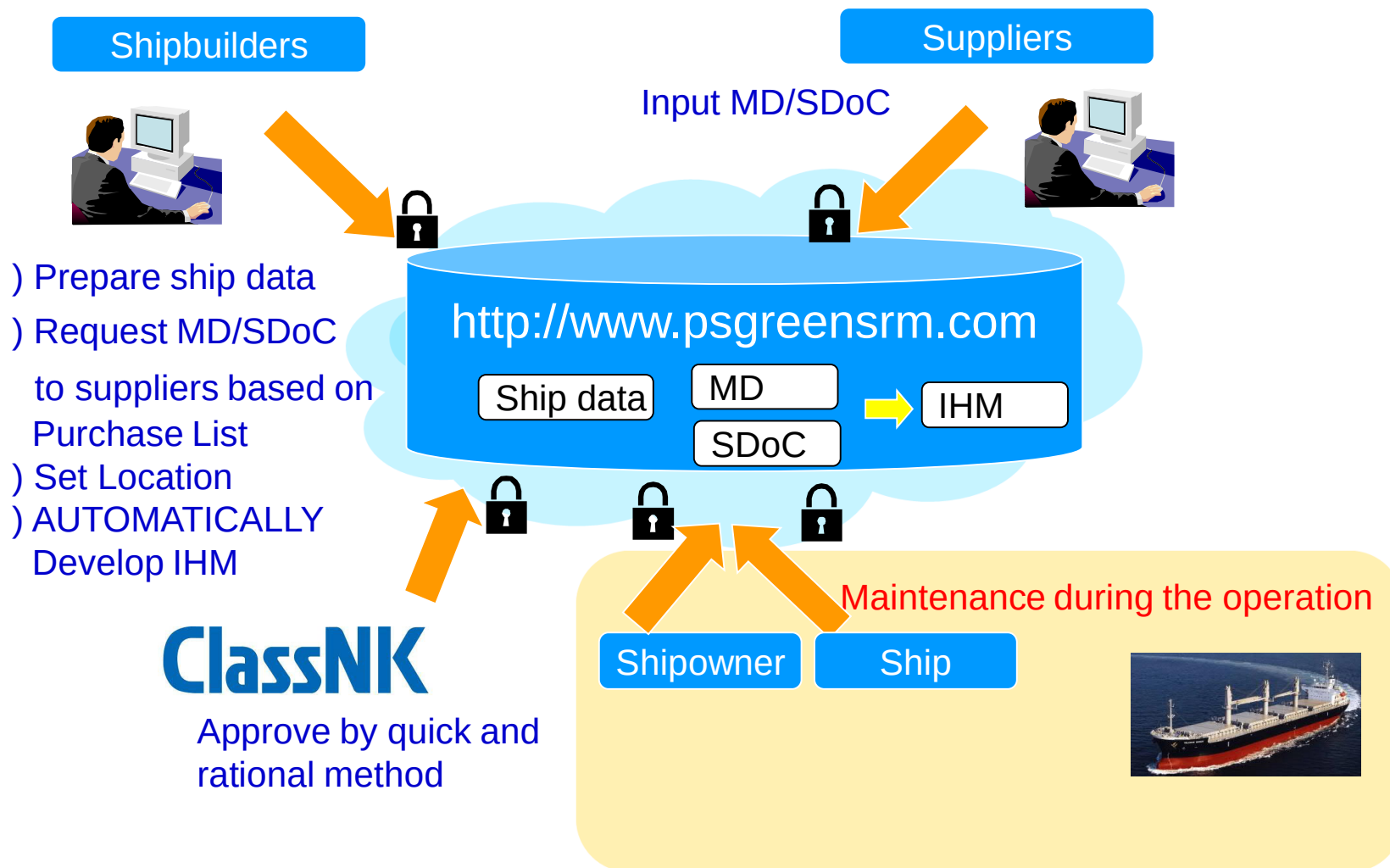
Products/equipment not need to list in IHM Part I

- 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



Where's PrimeShip-GREEN/SRM

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

The screenshot shows the PrimeShip-GREEN/SRM web interface. At the top left is the ClassNK logo. The main header area includes the text 'PrimeShip GREEN/SRM' and a version string 'en, v20120522_1100 P'. Below this is a login section with fields for 'User ID' and 'Password', and a 'Login' button. To the right of the login fields is a large image of a sun over the ocean. Further right, it states 'Supported browsers are: IE7, IE8 and Firefox' and 'IE: Internet Explorer'. Below the login section is a sidebar with links: 'Register Organization', 'Renew Password', 'User Manual(JP) (EN)', 'FAQ(srpt@classnk.or.jp)', and 'ClassNK'. The main content area has tabs for 'What's New', 'Issues', and 'Release Notes'. Under 'What's New', there are four entries, each dated 2012/05/23, 2012/05/16, 2012/05/16, and 2012/05/11, all announcing system maintenance shutdowns. At the bottom, a footer contains text about IBM-Japan's ISMS certification and a URL.

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

PrimeShip GREEN/SRM v20140214_1200 P

English Japanese Chinese Korean

SRM supports IE7, IE8, IE9, Firefox and Google Chrome

User ID

Password

Log In

[Renew Password](#)

[Register Organization](#)

[Help](#)

[FAQ\(srpt@classnk.or.jp\)](mailto:FAQ(srpt@classnk.or.jp))

[ClassNK](#)

[What's New](#) [Issues](#) [Release Notes](#)

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

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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

PrimeShip
GREEN/SRM v20140214_1200 P

English Japanese Chinese Korean

User ID

Password

Login

[Renew Password](#)

SRM supports IE7, IE8, IE9, Firefox and Google Chrome. Support for IE10 is being planned for the near future.
IE: Internet Explorer

Click "Register Organization"

Register Organization

Help

FAQ(srpt@classnk.or.jp)

ClassNK

What's New Issues Release Notes

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
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<http://www.ibm.com/ibm/jp/security/Activity/> [沪ICP备12001588号](#)

How to Register

Add New Organization

IV03MP00201

Category Code(*)	Shipbuilder	
Organization Name(*)		
Organization Name (Abbreviation)		
Alternative Org. Name(Local name,etc.)		
Mother Language		
Country(*)		
Postal Code		
Address(*)		
Telephone number(*)		Enter in int'l format. (i.e. +81-3-1234-5678)
Fax No.		Enter in int'l format. (i.e. +81-3-1234-5678)
Organization Remarks	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.

Clear All

Register User

How to Register

Register Administrator		IV02MP00101
Return		
User Name(*)		ex.) Taro Kaiji
User Name (Native Lang.)		ex.) KAIJI TARO
Contact Information	1	
E-Mail(*)		
Reenter e-mail address(*)		
Initial value of due date	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	☒ Check to add access rights to create ship data.	
Authorize to delete ship data	☒ Check to add access rights to delete ship data.	
> E-Mail to receive settings		
HM checking request	☒ Receive notification for responses or comments to HM checking requests	☐ Receive HM checking related e-mails that you have replied, commented or received
IHM application	☒ Receive notification of IHM approval or modification requests.	
Transfer ship	☒ 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 and Users

【Organization】

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

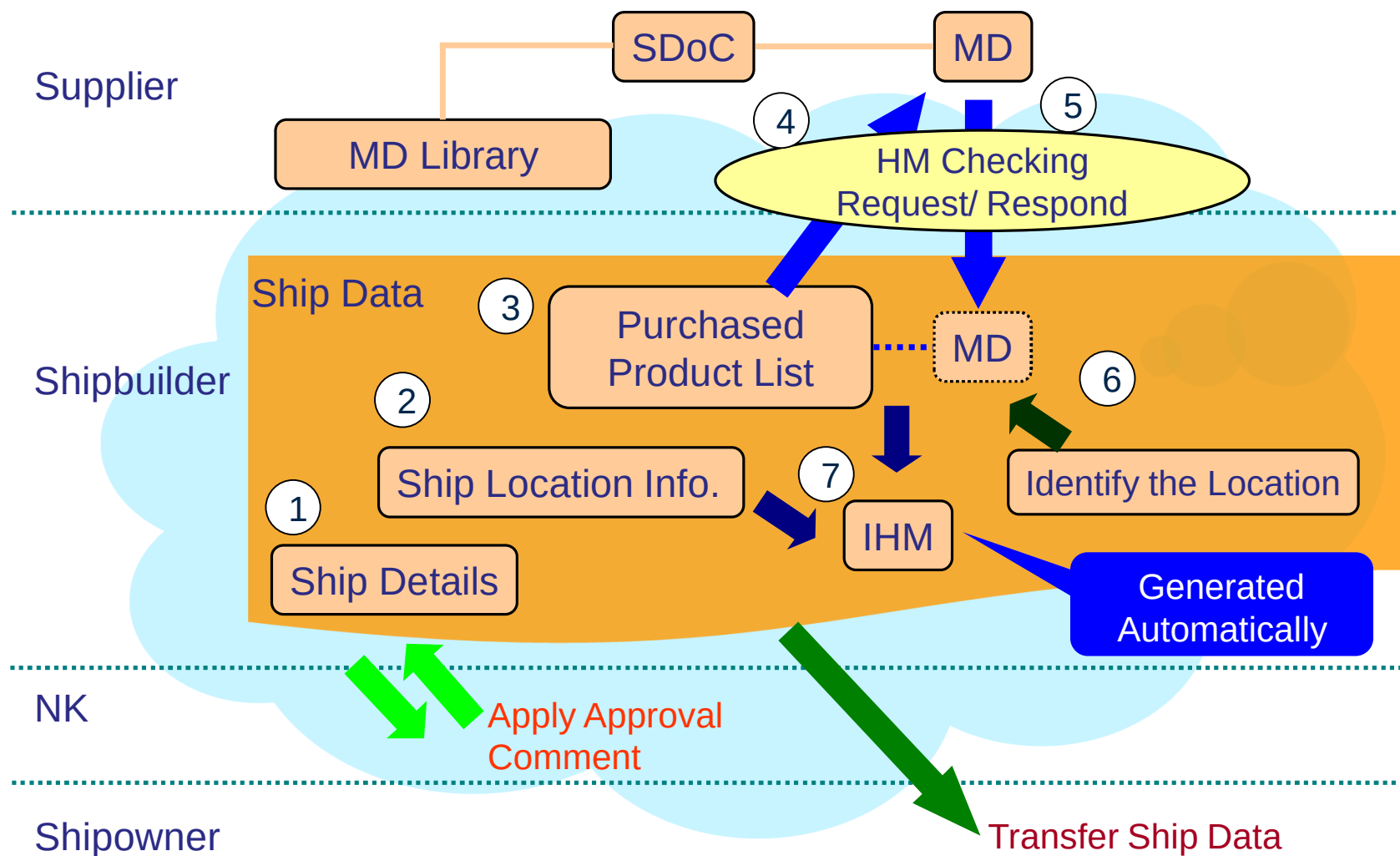
【Administrator】

- 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	Substitute MD/SDoC entry
	⑤	suppliers	
	⑥	Edit MD Location	
View/ Apply IHM	⑦	Related Document (GA, MA)	
		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 , COUPLING	0.27kg	
41		BC5K100 BASE FITTING NAKAJIMA type (x1 piece) [UCHIYAMA VALVE SEISAKUSHO CO.,LTD.: FHR5100 NAKAJIMA]	Lead and lead compounds	BODY , COUPLING	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(CAC406), BUSH(CAC406), GLOBE VALVES(CAC406)	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.

[Edit Ship Location Information](#) [Edit Purchased Product](#) [Add New Ship by Copy](#) [Request MD/SDoC Output](#)

[MD Location](#) [Edit Waste\(on Trial\)](#) [Edit Stores\(on Trial\)](#) [Generate IHM](#) [View/Apply IHM](#)

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

No	Sel ect	Det ail	Construction Shipbuilder	Ship Name	Shipowner	Ship Type	Date of Construction	Apply-To Class	Trans./ Sold
			Ship No.	IMO No.			Date of Revision		
11	☐		Ship Models	Very Large Crude (Oil) Carrier		Very Large Crude (Oil) Carrier			☐
			VLCC						
12	☐		ClassNK Shipbuilding 1			test			☐
			tese						
13	☐		IBM Shipbuilding 1			b			☐
			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
 - [-] All over 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	Fore Part

Update
Delete
Add

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

New Location	Add
--------------	---

Load Location List

- 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	☐		Electrical power supply appliance	E-01-01 Main generator	
	☐		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	ファイルを選択 選択されていません

[Add Purchased Product](#) [Upload Purchase List](#)

Bulk insert from the excel file

Purchased Products Items

Add Purchased Product IV01SP0310101

Purchased Product(*)		Shipownes's Purchased Product Name(required)
Division		
Purchased Product Category		Category(option)
Purchased Product Code		
Product Number		Internal code(option)
Amount		
Unit		
IHM Categorization	I-2 Equipement and Machinery	Product No.(option) designated by Shipowner
Application of Paint		
HM Checking Method(*)	Undefined	
Supplier		Reference at this moment (Supplier designation is made at the next "HM Checking Request")
Auto-Reminder	☐ 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		

Purchased Products Items by file upload

Upload Purchase List IV01SP03204

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.

01tst

Ship Name

IMO No.

File Name

参照

Upload from the list edited by Excel

The purchased list created by the latest purchased list input sheet can be imported by the system. The current version is "1.1". If the version of your current input sheet is different or not specified, please download the latest input sheet and copy & paste the information onto the new sheet.

Upload

Output to CSV File

Version: 1.1

[illegible]

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.

HM Checking Request No. AJ0000000000000000068

Shipbuilder ClassNK Shipbuilding 1

IMO No. 9999999

Supplier Code MD00001

Due Date

Comment to Supplier

Ship No. NK002

> Unregistered Supplier Information

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*

Search

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

Select

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		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 Checking Request No.	
				Purchased Product		Supplier	Status				Date of Request	Contact Person
1	☐				463743		Substitute	2011-07-07	☒	☐		
				New Generator			HM Checking Complete					
2	☐					MD00001	HM Checking Request	2011-07-07	☒	☐	AJ0000000000000000160	
				New Generator 2		NKTEC	HM Checking Complete				2011-07-07	Shiro Kaiji
3	☐			04S4176			Substitute	2010-06-25	☐	☐		
				2.6m WHIP ANTENNA for MF/HF radio equipment			HM Checking Complete					
4	☐			04S4176			Substitute	2010-06-25	☐	☐		
				2.6m WHIP ANTENNA for Weather Facsimile			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 Number	HM Checking Request No.	Date of Request	Contact Person
1	 Electrical power supply appliance	E-01-01	Main generator	NKTEC	request	AJ000000000000000005	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		MD_NKTEC_GDP_20110105	EGE03	1	piece	☒	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 declaration>

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	☐			
A	Polychlorinated biphenyls (PCBs)	no threshold level	☐			
A	Chlorofluorocarbons (CFCs)	no threshold level	☐			
A	Halons	no threshold level	☐			
A	Other fully halogenated CFCs	no threshold level	☐			
A	Carbon tetrachloride	no threshold level	☐			
A	1,1,1-Trichloroethane (Methyl chloroform)	no threshold level	☐			
A	Hydrochlorofluorocarbons	no threshold level	☐			
A	Hydrobromofluorocarbons	no threshold level	☐			
A	Methyl bromide	no threshold level	☐			
A	Bromochloromethane	no threshold level	☐			
A	Anti-fouling systems containing organotin compounds as a biocide	2500 mg total tin/kg	☐			
B	Cadmium and cadmium compounds	100 mg/kg	☒	1.05	g	Magnetic switch in SB panel (15sets)
B	Hexavalent chromium and hexavalent chromium compounds	1000 mg/kg	☒	4.8	g	Pressure switch(2sets)
B	Lead and lead compounds	1000 mg/kg	☒	1.8	g	Solder for pressure switch(2sets)
B	Mercury and mercury compounds	1000 mg/kg	☒	0.3	g	Thermometer for E..G.E (Total 3sets)
B	Polybrominated biphenyl (PBBs)	1000 mg/kg	☐			
B	Polybrominated diphenyl ethers (PBDEs)	1000 mg/kg	☐			
B	Polychlorinated naphthalenes (more than 3 chlorine atoms)	no threshold level	☐			
B	Radioactive substances	no threshold level	☐			
B	Certain shortchain chlorinated paraffins (Alkanes, C10-C13, chloro)	0.01	☐			
Output						

Alternative way to collect MD/SDoC

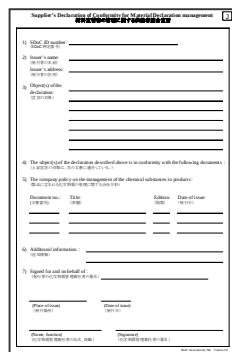
If a supplier has no access to the web or reject the registration to PrimeShip-GREEN/SRM???

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



Supplier's Declaration of Conformity to Material Production Management

1. SDoC Declaration
SDoC No. _____

2. Issue to whom
Issue to whom
Issue to address
on _____

3. Object(s) of the declaration
Declaration
on _____

4. The object(s) of the declaration described above is in conformity with the following document(s):
a. Declaration No. _____
b. Declaration No. _____

5. The company policy on the management of the chemical substances in products:
Declaration No. _____
Date of issue
on _____

6. Additional information
on _____

7. Signed for and sealed off
Signed for and sealed off
on _____

Place of issue
on _____

Place of issue
on _____

Place of issue
on _____

(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 (🔍)

ファイルを選択 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 (🔍)

Clear All

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	☒	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				
1	☐			#10N-B-10K-125		MD00001	MD library	2011-05-31	☒	☐	
				Expansion joint		NKTEC	HM Checking Complete				
2	☐			#10N-B-10K-150			Register MD (sub.)	2010-12-13	☐	☐	
				Expansion joint		DAIDO KINZOKU	HM Checking Complete				
3	☐								☐	☐	

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

Purchased Product	Date of declaration	-	
Purchased Product	MD ID No.		
Purchased Product	Supplier		Supplier Code MD00001
Product Number	SDoC ID No.		
	Product name		
	Product number		
Sort	Date of declaration	☒ Asc ☐ Desc	

⑥ Edit MD Location (1/3)

Input the Location for the MD containing HM

MD Location

[Return](#)

Shipbuilder: ClassNK Shipbuilding 1

Ship Name: test

Purchased Product Code:

MD ID No.:

Location Edit Flag:

Sort(*) ☒ Asc ☐ Desc

Ship No.: NK002

IMO No.: 9999999

Purchased Product:

MD Product name:

Contain HM above Threshold ☐

IV01IP00101

[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	 E-01-01 Main generator		MD_NKTEC_GDE_EGE03_20110105	GENERATOR	EGE03		1	piece	Not set	☒	NKTEC
2	 E-01-02 Emergency generator		MD_NKTEC_GDE_EGE03_20110105	GENERATOR	EGE03		1	piece	Not set	☒	NKTEC

⑥ Edit MD Location-Input (2/3)

Edit MD Location IV01IP00202

Return

> MD description

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

> IHM Product Information

IHM Categorization	I-2 Equipement and Machinery	Application of Paint
--------------------	------------------------------	----------------------

> Location Information

+ To make modifications to an existing location, delete the row and

Add Location

No.	Used amount	Unit	Location	Update	Delete

> MD remarks

Remark	
--------	--

Update

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** (Selected)
 - [-] 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	Delete

> **MD remarks**

Remark

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

⑦ Generate IHM

Generate IHM

IV01IP01201

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

> IHM Information

Shipbuilder Division Name	
Shipbuilder contact person	
Shipbuilder telephone number	+81-3-5226-2039
Shipbuilder's Fax number	+81-3-5226-2039

> Revision history

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

Version	Revision Comment	Date of Revision	Description

[Generate IHM](#)

 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		Include Transferred/Sold	☐
Shipbuilder	ClassNK Shipbuil	Ship No.	NK002
Ship Name	test	IMO No.	9999999
Sort(*)	Approval Status Asc Desc		

Total 7 record(s)

[1]

No	Detail	IHM	Reference IHM	Download	Ship Name	IMO No.	Apply-To Class
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

> Approval/Revision request comment

Comment	Time and Date

Comment on the web

Outputs: IHM

Microsoft Excel - NK001_Inventory_20110407223058107.xls

質問を入力してください

SansSerif 9 B I U % , .00 .00 すべて表示(S) 100%

A	B	C	D	E	F	G	H	I	K	L
1		Inventory of Hazardous Materials Identification No.								
3	INVENTORY OF HAZARDOUS MATERIALS									
4	ATTACHMENT									
5	Microsoft Excel - NK001_Inventory_20110407223058107.xls									
6	質問を入力してください									
7	SansSerif 9 B I U % , .00 .00 すべて表示(S) 100%									
8	A1 C D E F G H I K L									
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図形の調整(R) オートシェイプ(W) コマンド

Outputs: MD Collected/Uncollected List

577_Material_List_20110528221436609 (1).pdf - Adobe Acrobat
ファイル(F) 編集(E) 表示(V) 文書(D) 注釈(C) 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

Ship Number: 577 Creation Date: 2011/05/28

Collected MD List

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	1.2, 42.1, 2.4	010006	SD_MH60X_20100625	WL-60-10-2HD-1WE	WL.1, WL.2
31	SANSHIN ELECTRIC CORPORATION	MARINE FLOOD LIGHT	FDL-R17	6	piece	6	Yes	1.2, 44.1, 2.2 75.1, 2.205	MD_SEC_FLOOD_LIGHT_20100615	SD_SEC_20100612	FDL-R17	
32	IBUKI KOGYO CO., LTD.	PISTON HORN WITH HEATER	MH550-H	1	piece	1	Yes	1.3, 45	MD_IBUKI_MH550_20091201	SD_IBUKI_20091201	MH550-H	2009W
33	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169A	2	piece	2	Yes	1.2, 46.1, 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	1.2, 48.1, 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	1.2, 50.1, 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	1.2, 52.1, 2.5 3, 1.2, 81.1, 1.2 42.1, 2.70.1 2.71.1, 2.79 1.2, 80	MD_YASIO_HCOVFLH_C169G1_20101202	SD_YASIO_20100310	C169G1	Gripper Nipple (On Upper Deck Fitting)
37	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169G2	10	piece	10	Yes	1.2, 54.1, 2.6 3, 1.2, 72.1, 1.2 81	MD_YASIO_HCOVFLH_C169G2_20101202	SD_YASIO_20100310	C169G2	Non Return Valve Body (On Upper Deck Fitting)
38	Yashio Industrial Co., Ltd.	Folding Type Hatch Covers	C169D	5	piece	5	Yes	1.2, 55.1, 2.5 3, 1.2, 84.1, 1.2 45.1, 2.75.1 2.74	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	3	piece	3	Yes	1.2, 57.1, 2.5 3, 1.2, 86.1, 1.2 47.1, 2.75.1 2.73	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	1.2, 59.1, 2.6 3, 1.2, 88.1, 1.2 49.1, 2.77.1 2.72	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	1.2, 60.1, 2.6 1.2, 44.1, 1.2	MD_MH60X_CRANE_20100625	SD_MH60X_20100625	MDW-3020-115	

No.	Manufacturer	Product Name	Product Number	Mass per Product		Supplied Quantity (piece)	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

Request MD/SDoC Output(all data)

Output MD/SDoC to PDF file

Request MD/SDoC Output

IV01SP00101D1

Construction Shipbuilder	ClassNK Shipbuilding 1
Ship No.	NK002
Form Type(*)	MD Batch Output

Submit

Select MD/SDoC

[Ship] > [Download MD/SDoC]

Download MD/SDoC

Request ID		Form Type	
Date of Request	-	Requester	
Sort	Request ID	Asc Desc	

Total 10 record(s) [1]

No	Request ID	Form Type	Date of Request	Requester	Status	Delete
1	AR000000000000000000000002	MD Batch Output	2011-04-13	Kaiji, Taro	Complete	
2	AR000000000000000000000003	MD Batch Output	2011-04-14	Kaiji, Jiro	Complete	

PDF file is open for printing out