

Guideline for preparation of MD and SDoC

For suppliers of the Flensburger Shipyard

- 1) Background
- 2) Getting information
- 3) Completion of the MD
- 4) Completion of the SDoC
- 5) Submitting of MD and SDoC to the FSG

Requirements for the shipyard

According to the „International Convention for the Safe and Environmentally Sound Recycling of Ships“ (Hong Kong Convention) shipyards have to create an „Inventory of Hazardous Materials“ (IHM).

The IHM has to be developed in accordance with MEPC.269(68).

Although the Hong Kong Convention has not entered into force so far, an IHM is already required due to **REGULATION (EU) No 1257/2013 on ship recycling** (*in force for new build ships since Jan 2019*).

For the development of the IHM, the shipyard needs material declarations for any used component on board ships.

Background

Requirements for component suppliers

Because of the new regulations, suppliers have to provide material declarations for **any** delivered components or equipment to the shipyard.

A signed „Supplier’s Declaration of Conformity“ (SDoC) has to be delivered with the related material declarations (MD) to the shipyard.

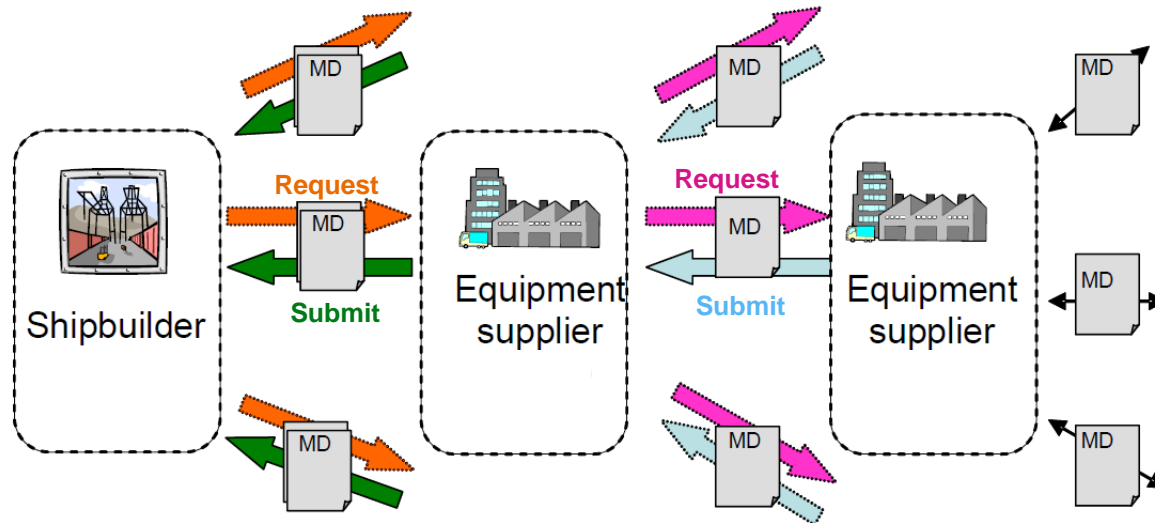
The shipyard needs the information from the material declarations for the development of the IHM.

Getting information

Hazardous materials in components or equipment

Suppliers have to be sure if delivered components or equipment contain hazardous materials or not.

If suppliers are unsure which of the hazardous materials listed in the MD are present in the delivered products, they have to request material declarations from their suppliers and so on.



Completion of the MD

MD template – provided by the FSG

The MD contains information about the presence of hazardous materials in a product.

On the MD template every hazardous material which has to be considered is listed.

Take care of additional materials according EU Reg. 1257/2013 Annex II are included.

13.08.2019

Material Declaration

<Date of declaration>

Date

<MD ID number>

MD-ID-No.

<Supplier (respondent) information>

Company name
Division name
Address
Contact person
Telephone number
Fax number
E-mail address
SDoC ID-No.

<Other information>

Remark 1
Remark 2
Remark 3

<Product information>

Product name	Product number	Delivered unit		Product information
		Amount	Unit	

<Material information>
This materials information shows the amount of hazardous materials contained in

1	Unit
---	------

Table	Material name	Threshold level	Present above threshold level		If yes, material mass		If yes, information on where it is used
			Yes/No	Mass	Unit		
Table A <small>(materials listed in appendix 1 of the Convention)</small>	Asbestos	no threshold level	Yes				
	Polychlorinated biphenyls (PCBs)	no threshold level	Yes				
	Ozon depleting substance	Chlorofluorocarbons (CFCs)	no threshold level	Yes			
		Halons		Yes			
		Other fully halogenated OFCs		Yes			
		Carbon tetrachloride		Yes			
		1,1,1-Trichloroethane		Yes			
		Hydrochlorofluorocarbons		Yes			
		Hydrobromofluorocarbons		Yes			
	Methyl bromide	Yes					
Bromochloromethane	Yes						
Anti-fouling systems containing organotin compounds as a biocide	2,500 mg total tin/kg	Yes					

Table	Material name	Threshold level	Present above threshold level		If yes, material mass		If yes, information on where it is used
			Yes/No	Mass	Unit		
Table B <small>(materials listed in appendix 2 of the Convention)</small>	Cadmium and cadmium compounds	100 mg/kg	Yes				
	Hexavalent chromium and hexavalent chromium compounds	1 g/kg	Yes				
	Lead and lead compounds	1 g/kg	Yes				
	Mercury and mercury compounds	1 g/kg	Yes				
	Polybrominated biphenyl (PBBs)	1 g/kg	Yes				
	Polybrominated diphenyl ethers (PBDEs)	1 g/kg	Yes				
	Polychlorinated biphenyls (PCBs) (CI = 3)	no threshold level	Yes				
	Radioactive substances	no threshold level	Yes				
Certain short-chain chlorinated paraffins	10 g/kg	Yes					

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Completion of the MD

Information to the associated form

Date: e.g.: 2013-02-22

The current date.

MD-ID-No.: e.g.: 22385-1

The MD-ID-No. is to identify the MD. The id-number is necessary but can be chosen by the supplier.
(E.g. The FSG Order-No. and Position-No.)

Other information (Remark 1-3):

Remark 1: The FSG Hull-No. for which the delivered component or equipment will be used.

Remark 2: The FSG Order-No. of the declared product(s)

Remark 3: The Position-No. (in the Order) of the declared product(s)

If the material declaration will be used e.g. for a complete system or an assembly there can be given several position numbers as shown below:
e.g. Position-No.: 1-5 or Position-No.: 1,2,3,4,5

Optionally reference can be made to a separate Product list containing a link to FSG Order-No and Position No of the declared products (if suppliers Product numbers are used in the declaration).

13.08.2019

Example:

<Date of declaration>

Date	2013-02-22
------	------------

<MD ID number>

MD-ID-No.	22385-1
-----------	---------

<Other information>

Remark 1	FSG Hull-No: 0-757
Remark 2	FSG Order-No: 22385
Remark 3	Position-No: 1

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	
E-mail address	
ISIRI-CIN	

<Product information>

Product name	Product number	Delivered unit	Product information
		Amount Unit	

<Material information>

This material information shows the amount of hazardous materials contained in Unit

Table 1	Material name	Threshold level	Present above threshold level		If yes, indicate mass		If yes, information on where it is used
			Yes/No	Mass	Unit		
Table 1 Hazardous materials	Isocyanate	100 mg/kg	Yes	...	...
	Polychlorinated biphenyls (PCB)	no threshold level	Yes	...	...
	Chlorofluorocarbons (CFC)		Yes	...	...
	Hydrocarbons		Yes	...	...
	Open cell polyurethane (OCPU)		Yes	...	...
	Carbon tetrachloride		Yes	...	...
	1,1,1-Trichloroethane	no threshold level	Yes	...	...
	Isopropylchloroform		Yes	...	...
	Hexachlorocyclopentadiene		Yes	...	...
	Isobutyl nitrate		Yes	...	...
Table 2 Hazardous substances containing organic compounds as a binder	...	2,000 mg/kg (10%)	Yes	...	...

Table 2	Material name	Threshold level	Present above threshold level		If yes, indicate mass		If yes, information on where it is used
			Yes/No	Mass	Unit		
Table 2 Hazardous substances containing organic compounds as a binder	Chlorinated and carbon compounds	100 mg/kg	Yes	...	...
	Chlorinated aromatic and heterocyclic aromatic compounds	1 g/kg	Yes	...	...
	Lead and lead compounds	1 g/kg	Yes	...	...
	Mercury and mercury compounds	1 g/kg	Yes	...	...
Table 3 Hazardous substances containing inorganic compounds	Polychlorinated biphenyls (PCB)	1 g/kg	Yes	...	...
	Polychlorinated biphenyl ether (PBDE)	1 g/kg	Yes	...	...
	Polychlorinated biphenyl ether (PBDE)	1 g/kg	Yes	...	...
	Polychlorinated biphenyl ether (PBDE)	1 g/kg	Yes	...	...
Table 4 Hazardous substances	...	no threshold level	Yes	...	...
	...	no threshold level	Yes	...	...

Important Note: The content and specifications of this form may not be changed or amended. Any changes or amendments by others than the author of this form constitute a breach of copyright.

Completion of the MD

Information to the associated form

Supplier (respondent) information

Please fill in your contact information.

SDoC ID-No.: e.g.: 2013-02-22-22385

The SDoC number is to provide a reference between SDoC and MD. The number can be chosen arbitrarily (e.g. Date and/or FSG-Order-No.), but it has to be the same on both declarations.

Beispiel:

<Supplier (respondent) information>	
Company name	Equipment AG
Division name	Technik
Address	Stadtweg 3, 24941 Flensburg
Contact person	R. Hansen
Telephone number	0049-5896-12345-0
Fax number	0049-5896-12345-1
E-mail address	info@equipment.de
SDoC ID-No.	2013-02-22-22385

Supplier's Declaration of Conformity
for Material Declaration Management

1) SDoC No.: 2013-02-22-22385

2) Issuer's name:

Material Declaration

<Date of declaration> _____

<MD ID number> _____

<MD ID-No.> _____

<Supplier (respondent) information>

Company name	
Division name	
Address	
Contact person	
Telephone number	
Fax number	
E-mail address	
SDoC ID-No.	

<Other information>

Remark 1	
Remark 2	
Remark 3	

<Product information>

Product name	Product number	Delivered unit	Product information
		Amount	Unit

<Material information>

This material information shows the amount of hazardous materials contained in _____ Unit

Table 1	Material name	Threshold level	Present above threshold level		If yes, indicate mass	If yes, information on where it is used
			Yes/No	Mass		
Table 1 Hazardous substances (MSDS)	Isocyanates	100 mg/kg	Yes	...	...	...
	Polychlorinated biphenyls (PCB)	no threshold level	Yes	...	...	...
	Chlorofluorocarbons (CFC)		Yes	...	...	...
	Hydrocarbons		Yes	...	...	...
	Other hazardous organic compounds (HOC)		Yes	...	...	...
	Chlorinated hydrocarbons		Yes	...	...	...
	UV-stabilizers		Yes	...	...	...
	UV-absorbers		Yes	...	...	...
	UV-inhibitors		Yes	...	...	...
	UV-stabilizers		Yes	...	...	...
Table 2 Hazardous substances (MSDS)	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...
	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...
	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...
	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...
	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...
	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...
	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...
	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...
	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...
	Fluorinated hydrocarbons (FHC)	100 mg/kg	Yes	...	...	...

Product information: The content and specifications of this form may not be changed or amended. Any changes or amendments by others than the author of this form constitute a breach of copyright.

Completion of the MD

Information to the associated form

Product information:

Example:

<Product information>				
Product name	Product number	Delivered unit		Product information
		Amount	Unit	
Climate System	Climate System CS-123-b3	1	piece	Climate System (2 kW) with all included components

- 1) Name of the system or product
- 2) Type-number / Type-name of the product
- 3) Units, mass or quantity of the delivered product-type
- 4) Unit for the product e.g. piece or kg
- 5) Further product information e.g. pressure, lifting capacity etc.

Hint:

The material declaration can refer to an assembly, a system, a component or a component-type.

For example:

1000 seals of type XY-123 will be delivered.
Only one MD which belongs to the type is required.
13.08.2019

Material Declaration

<Date of declaration>
Date: _____

<MD ID number>
MD-ID: _____

<Supplier (respondent) information>
Company name: _____
Division name: _____
Address: _____
Contact person: _____
Telephone number: _____
Fax number: _____
E-mail address: _____
DSD-ID: _____

<Other information>
Remark 1: _____
Remark 2: _____
Remark 3: _____

<Product information>
Product name: _____ Product number: _____ Delivered unit: _____ Product information: _____

<Material information>
This material information shows the amount of hazardous materials contained in _____ Unit: _____

Table	Material name	Threshold level	Present above threshold level	If yes, indicate mass	If yes, information on where it is used
			Yes/No	Mass Unit	
Table A Substances with hazardous properties	Substance	no threshold level	Yes	...	...
	Polychlorinated biphenyls (PCB)	no threshold level	Yes	...	...
	Dioxin/furan-like (DFL)		Yes	...	...
	Polycyclic aromatic hydrocarbons (PAH)		Yes	...	...
	Other fish-oil-derived POPs		Yes	...	...
	Carbon tetrachloride		Yes	...	...
	1,1,1-Trichloroethane	no threshold level	Yes	...	...
	Hexachlorocyclopentadiene		Yes	...	...
	Isopentane/hexamethane		Yes	...	...
	Isobutane		Yes	...	...
	Dimethylsiloxane		Yes	...	...
Table B Hazardous mixtures containing organic compounds as a binder	Hazardous mixtures containing organic compounds as a binder	2,000 mg/kg (VOC)	Yes	...	...

Table	Material name	Threshold level	Present above threshold level	If yes, indicate mass	If yes, information on where it is used
			Yes/No	Mass Unit	
Table C Organic solvent and capturing compounds	Organic solvent and capturing compounds	100 mg/kg	Yes	...	...
	Organic solvent and capturing compounds	1 g/kg	Yes	...	...
Table D Lead and lead compounds	Lead and lead compounds	1 g/kg	Yes	...	...
	Mercury and mercury compounds	1 g/kg	Yes	...	...
	Polychlorinated biphenyls (PCB)	1 g/kg	Yes	...	...
Table E Polychlorinated biphenyls (PCB)	Polychlorinated biphenyls (PCB)	1 g/kg	Yes	...	...
	Polychlorinated biphenyls (PCB)	1 g/kg	Yes	...	...
	Polychlorinated biphenyls (PCB)	1 g/kg	Yes	...	...
Table F Flammable liquids (LFL)	Flammable liquids (LFL)	no threshold level	Yes	...	...
	Flammable liquids (LFL)	no threshold level	Yes	...	...
Table G Flammable solids (SFL)	Flammable solids (SFL)	no threshold level	Yes	...	...
	Flammable solids (SFL)	no threshold level	Yes	...	...
Table H Explosive substances	Explosive substances	no threshold level	Yes	...	...
	Explosive substances	no threshold level	Yes	...	...
Table I Corrosive liquids (LFL)	Corrosive liquids (LFL)	10 g/kg	Yes
	Corrosive liquids (LFL)	10 g/kg	Yes

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Completion of the MD

Information to the associated form

<Material information>

This materials information shows the amount of hazardous materials contained in

Table	Material name	Threshold level	Present above threshold level	If yes, material mass		If yes, information on where it is used	
			Yes/No	Mass	Unit		
Table A (materials listed in appendix 1 of the Convention)	Asbestos	no threshold level	Yes <input type="checkbox"/>				
	Polychlorinated biphenyls (PCBs)	no threshold level	Yes <input type="checkbox"/>				
	Ozon depleting substance	Chlorofluorocarbons (CFCs)	no threshold level	Yes <input type="checkbox"/>			
		Halons		Yes <input type="checkbox"/>			
		Other fully halogenated CFCs		Yes <input type="checkbox"/>			
		Carbon tetrachloride		Yes <input type="checkbox"/>			
		1,1,1-Trichloroethane		Yes <input type="checkbox"/>			
		Hydrochlorofluorocarbons		Yes <input type="checkbox"/>			
		Hydrobromofluorocarbons		Yes <input type="checkbox"/>			
	Methyl bromide	Yes <input type="checkbox"/>					
Bromochloromethane	Yes <input type="checkbox"/>						
Anti-fouling systems containing organotin compounds as a biocide	2,500 mg total tin/kg	Yes <input type="checkbox"/>					

- 1) Please fill in the mass-unit to which the information of the table below refer (e.g. „kg“ for paints or „piece“ for components).
 - 2) If there are materials above the threshold level you have to state “Yes” in the associated field. Otherwise (most of the times) you can state “No”.
 - 3) If there are hazardous materials present in the declared product, information about the quantity and location in the product (or system), shall be declared. If there are no hazardous materials in the product, these cells are to be left blank.
- 13.08.2019

Material Declaration

<Date of declaration>

<MD ID number> <Supplier (respondent) information>

Company name
 Division name
 Address
 Contact person
 Telephone number
 Fax number
 E-mail address
 ID-No.

<Other information>

Remark 1
 Remark 2
 Remark 3

<Product information>

Product name	Product number	Declared unit	Product information
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

<Material information>

This materials information shows the amount of hazardous materials contained in

Table	Material name	Threshold level	Present above threshold level	If yes, material mass		If yes, information on where it is used	
			Yes/No	Mass	Unit		
Table A (materials listed in appendix 1 of the Convention)	Asbestos	no threshold level	Yes <input type="checkbox"/>				
	Polychlorinated biphenyls (PCBs)	no threshold level	Yes <input type="checkbox"/>				
	Ozon depleting substance	Chlorofluorocarbons (CFCs)	no threshold level	Yes <input type="checkbox"/>			
		Halons		Yes <input type="checkbox"/>			
		Other fully halogenated CFCs		Yes <input type="checkbox"/>			
		Carbon tetrachloride		Yes <input type="checkbox"/>			
		1,1,1-Trichloroethane		Yes <input type="checkbox"/>			
		Hydrochlorofluorocarbons		Yes <input type="checkbox"/>			
		Hydrobromofluorocarbons		Yes <input type="checkbox"/>			
	Methyl bromide	Yes <input type="checkbox"/>					
Bromochloromethane	Yes <input type="checkbox"/>						
Anti-fouling systems containing organotin compounds as a biocide	2,500 mg total tin/kg	Yes <input type="checkbox"/>					

Table B

Table	Material name	Threshold level	Present above threshold level	If yes, material mass		If yes, information on where it is used
			Yes/No	Mass	Unit	
Table B (materials listed in appendix 2 of the Convention)	Chlorinated and cadmium compounds	100 mg/kg	Yes <input type="checkbox"/>			
	Chlorinated dibenzodioxin and chlorinated dibenzofuran compounds	1 g/kg	Yes <input type="checkbox"/>			
	Lead and lead compounds	1 g/kg	Yes <input type="checkbox"/>			
	Mercury and mercury compounds	1 g/kg	Yes <input type="checkbox"/>			
	Polychlorinated biphenyls (PCBs)	1 g/kg	Yes <input type="checkbox"/>			
	Polychlorinated biphenyl ether (PBDEs)	1 g/kg	Yes <input type="checkbox"/>			
	Polychlorinated biphenyl ether (PBDEs)	1 g/kg	Yes <input type="checkbox"/>			
	Polychlorinated biphenyl ether (PBDEs)	1 g/kg	Yes <input type="checkbox"/>			
	Polychlorinated biphenyl ether (PBDEs)	1 g/kg	Yes <input type="checkbox"/>			
	Polychlorinated biphenyl ether (PBDEs)	1 g/kg	Yes <input type="checkbox"/>			

Table C

Table	Material name	Threshold level	Present above threshold level	If yes, material mass		If yes, information on where it is used
			Yes/No	Mass	Unit	
Table C (materials listed in appendix 3 of the Convention)	Flammable substances (GHS 02)	no threshold level	Yes <input type="checkbox"/>			
	Corrosive substances (GHS 05)	no threshold level	Yes <input type="checkbox"/>			

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Completion of the SDoC

SDoC template – provided by the FSG

The SDoC is to assure that the related Material Declaration(s) is/are correct and to identify the responsible entity.

One SDoC can cover one or several Material Declarations.

**Supplier's Declaration of Conformity
for Material Declaration Management**

1) SDoC No.: _____

2) Issuer's name: _____
Issuer's address: _____

3) Object(s) of declaration: 1) _____
2) _____
3) _____
4) _____

4) The object(s) of the declaration described above is/are in conformity with the following documents:

5) Applicable Regulations or other stipulated requirements and documents

Document No.	Title	Edition	Date of issue

6) Additional Information:

Signed for and on behalf of: _____

Place of issue

Date of issue

7) _____

Name, function Signature

Completion of the SDoC

Information to the associated form

Example:

1) SDoC No.:	2013-02-22-22385
2) Issuer's name:	Equipment AG
Issuer's address:	Stadtweg 3, 24941 Flensburg

- 1) **SDoC No.:** e.g.: 2013-02-22-22385
The SDoC No. can be chosen arbitrarily
(e.g. date and/or FSG-Order-No.)
The material declaration (MD) refers to that number.
- 2) **Issuer's name / address:**
Name and address of the supplier are to be filled in.

**Supplier's Declaration of Conformity
for Material Declaration Management**

1) SDoC No.:	_____		
2) Issuer's name:	_____		
Issuer's address:	_____		
3) Object(s) of declaration:	1) _____ 2) _____ 3) _____ 4) _____		
4) The object(s) of the declaration described above is/are in conformity with the following documents:	_____		
5) Applicable Regulations or other stipulated requirements and documents	_____		
Document No.	Title	Edition	Date of issue
_____	_____	_____	_____
_____	_____	_____	_____
6) Additional Information:	_____		
Signed for and on behalf of:	_____		
Place of issue	_____		
Date of issue	_____		
7) Name, function	Signature		

Completion of the SDoC

Information to the associated form

Example:

3) Object(s) of declaration:	1) 22385-1
	2) 22385-2
	3) 22385-3
	4)

Object(s) of declaration: e.g.: 22385-1
Please state which material declarations are covered by the SDoC.

Material Declaration	
<Date of declaration>	
Date	2013-02-22
<MD ID number>	
MD-ID-No.	22385-1
<Supplier	
Company n	
Division na	

**Supplier's Declaration of Conformity
for Material Declaration Management**

- 1) SDoC No.: _____
- 2) Issuer's name: _____
Issuer's address: _____
- 3) Object(s) of declaration: 1) _____
2) _____
3) _____
4) _____
- 4) The object(s) of the declaration described above is/are in conformity with the following documents:
- 5) Applicable Regulations or other stipulated requirements and documents

Document No.	Title	Edition	Date of issue
- 6) Additional Information:

Signed for and on behalf of: _____

Place of issue: _____

Date of issue: _____

- 7) Name, function: _____ Signature: _____

Completion of the SDoC

Information to the associated form

5) Applicable Regulations or other stipulated requirements and documents			
Document No.	Title	Edition	Date of issue
ISO 9001	Quality management system – Manual Rev. 2.1	2008	2008-09-25
IMO MEPC.197(62)	Guidelines for the preparation of IHM	2009	2009-07-17

Example

5) Applicable Regulations or other stipulated requirements and documents:

Please fill in the titles of the related legal and organizational documents (e.g. National Regulations, ISO Standards, IMO Conventions, etc.), on which the information provided in the Material Declaration(s) has been prepared. The Documents assure correctness and control of the given information.

**Supplier's Declaration of Conformity
for Material Declaration Management**

1) SDoC No.: _____

2) Issuer's name: _____
Issuer's address: _____

3) Object(s) of declaration: 1) _____
2) _____
3) _____
4) _____

4) The object(s) of the declaration described above is/are in conformity with the following documents:

Document No.	Title	Edition	Date of issue

6) Additional Information: _____

Signed for and on behalf of: _____

Place of issue _____

Date of issue _____

7) Name, function _____ Signature _____

Completion of the SDoC

Information to the associated form

6) Additional Information:

Signed for and on behalf of: _____

6) Additional Information:

Further optionally information.

For example: If the information on the Material Declaration depends on a laboratory examination, you can give contact information of the laboratory and/or information about the laboratory procedures.

Signed for and on behalf of:

The person who is responsible for the additional information (e.g. for the laboratory examination) has to sign.

**Supplier's Declaration of Conformity
for Material Declaration Management**

1) SDoC No.: _____

2) Issuer's name: _____
Issuer's address: _____

3) Object(s) of declaration: 1) _____
2) _____
3) _____
4) _____

4) The object(s) of the declaration described above is/are in conformity with the following documents:

5) Applicable Regulations or other stipulated requirements and documents

Document No.	Title	Edition	Date of issue
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

6) Additional Information:

Signed for and on behalf of: _____

Place of issue: _____

Date of issue: _____

7) Name, function: _____ Signature: _____

Completion of the SDoC

Information to the associated form

Place of issue

Date of issue

Name, function

Signature

In this area the person who is responsible for the information, given in the SDoC and MD, has to sign the document.

**Supplier's Declaration of Conformity
for Material Declaration Management**

1) SDoC No.: _____

2) Issuer's name: _____
Issuer's address: _____

3) Object(s) of declaration: 1) _____
2) _____
3) _____
4) _____

4) The object(s) of the declaration described above is/are in conformity with the following documents:

5) **Applicable Regulations or other stipulated requirements and documents**

Document No.	Title	Edition	Date of issue

6) Additional Information:

Signed for and on behalf of: _____

Place of issue _____

Date of issue _____

7) _____

Name, function

Signature

Submitting of MD and SDoC to the FSG

The submission to the FSG:

The templates should be completed on PC and the completed documents will be printed and signed. Adjacent these should be sent by e-mail to:

IHM@fsg-ship.de