A host of new requirements

The European Union Ship Recycling Regulation (EU SRR) and the Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships (HKC) place responsibility on shipowners, shipbuilders, suppliers, recycling facilities and national authorities to ensure the safe and environmentally viable management of HazMats as well as the sustainable recycling of ships.

A fundamental requirement of these regulations is the documentation of hazardous materials onboard ships. As of 31 December 2016, ships going for recycling, that are flying a flag of an EU Member State, shall have an Inventory of Hazardous Materials (IHM) on board according to EU SRR. New and existing ships of 500 GT and above will have to carry an Inventory of Hazardous Materials (IHM) and the related International Certificate of Inventory of Hazardous Materials (ICIHM) onboard once the EU SRR is applied. This means that approximately 20,000 ships that are visiting EU ports and anchorages will have to obtain the ICIHM until 31 December 2020 and all new ships should be equipped with an ICIHM after 31 December 2018 according to EU SRR. In total 60,000 ships will have to obtain an ICIHM 5 years after the entry into force of the HKC.

Smooth IHM preparation with DNV GL

To ensure smooth certification, we offer expert solutions for drawing up your IHM. Our experience allows you to be among the first shipping companies with an effective process for generating correct IHMs. From the very start of your shipbuilding project, we are your qualified partner to handle and meet IHM requirements.
Our smart software solution the IHM Green Server (IGS) supports all aspects of IHM preparation, certification and maintenance. The IGS enables you to manage the enormous amount of information required. Improved readability and data quality ensure your IHM is efficiently updated and maintained during your ship’s operational phase. Our IGS solution:

- Records results of document analysis
- Lists ship-specific material assumptions
- Includes the structuring ship systems
- Defines location, system, etc.
- Prepares Visual/Sampling Check Plan
- Documents sample and analysis results
- Prepares Part I of the IHM
- Provides a smooth certification process
- Gives access to all related data and its management
- Maintains the IHM throughout the ship’s life
- Utilises data for ship recycling preparations

**What you need to know about IHMs**

The IHM consists of three parts:

- **Part I**: Hazardous materials contained in the ship’s structure and equipment
- **Part II**: Operationally generated wastes
- **Part III**: Stores

The parts are applicable to different stages in a ship’s life cycle as shown in the table below:

<table>
<thead>
<tr>
<th>Scope of the IHM</th>
<th>Shipbuilding and operating</th>
<th>Preparation prior to recycling</th>
</tr>
</thead>
<tbody>
<tr>
<td>HKC</td>
<td>Part I Structure and Equipment</td>
<td>Part II Operationally generated Wastes</td>
</tr>
<tr>
<td>EU SRR</td>
<td>Table A</td>
<td>Annex I</td>
</tr>
<tr>
<td></td>
<td>Mandatory for new/existing ships and new installations</td>
<td>✓</td>
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</tbody>
</table>

**The IHM for existing ships**

The inventory quantifies and locates hazardous materials onboard ships which are known to represent a potential hazard to people and the environment. For assuring safe and environmentally friendly handling of these materials, detailed documentation of those materials in the ship’s structure and equipment is essential.

For existing ships, the responsibility of drawing up a ship’s IHM lies with the shipowner, who may involve HazMat experts for preparation of the Visual/Sampling Check Plan prior to generating Part I of the IHM. DNV GL offers an experienced professional service, ensuring a pragmatic and effective IHM preparation and certification process.

The process consists of the following basic five steps for unified application and comparable results:

1. **Step 1**: Collection of necessary information, with utilisation of the indicative list
2. **Step 2**: Assessment of collected information
3. **Step 3**: Preparation of Visual/Sampling Check Plan
4. **Step 4**: Onboard Visual/Sampling Check
5. **Step 5**: Preparation of Part I of the IHM and related documentation as well as initial survey and issuance of certificate (Statement of Compliance)

**Your benefits**

- Be in line with current and upcoming legal regulations
- Prepare for compliance with regional requirements, such as EU Regulations
- Maintain your image as a green company
- Realise a higher resale value
- Avoid the rush after entry into force
- Enjoy a smooth IHM preparation and certification process
- Immediately enhance the work environment onboard ship
- Mitigate risks for health and the environment

**RELATED SERVICES**

**IHM certification**

We offer certification of inventories for hazardous materials for new and existing ships.

**Consulting services**

Our Maritime Advisory service offers “Material Declaration Consulting for Shipyards and Suppliers” based on individually tailored concepts for the smart establishment and management of integrated Material Declaration databases.

**Ship recycling services**

Specifically, for shipyards and shipowners, our Maritime Advisory offers performance assessments, gap analysis and project supervision services related to HKC and EU SRR.

**Advanced courses**

Furthermore, the Maritime Academy offers specific advanced training courses.

**HazMat Expert training**

We offer qualification for hazardous material experts according to HKC and EU SRR for IHM preparation.