



### **Subject: HONG KONG convention** **for the safe and environmentally sound recycling of ship**

\*Compliance with this convention is not mandatory till entry into force date.

#### **Convention objective:**

To prevent, reduce, minimize and, to the extent practicable, eliminate accidents, injuries and other adverse effects on human health and the environment caused by Ship Recycling, and enhance ship safety, protection of human health and the environment throughout a ship's operating life.

#### **Application:**

1. ships with 500 GT or more that working in international water; and
2. Ship Recycling Facilities operating under the jurisdiction of a Party.

This convention shall not apply to warships, naval auxiliary and governmental non-commercial ships.

Parties shall apply convention requirements as may be necessary to ensure that no more favorable treatment is given to such ships entitled to fly the flag of non-Parties.

#### **Expected compliance Dates:**

Convention shall enter into force 24 months after the date on which the following conditions are met:

1. 15 States have signed it as to reservation, ratification, acceptance or approval.
2. The combined merchant fleets of the States mentioned in paragraph 1 constitute not less than 40 per cent of the gross tonnage of the world's merchant shipping; and
3. The combined maximum annual ship recycling volume of the States mentioned in paragraph 1 during the preceding 10 years constitutes not less than 3 per cent of the gross tonnage of the combined merchant shipping of the same States.

For States which have ratify Convention after the requirements for entry into force thereof have been met, the ratification shall take effect on the date of entry into force of this Convention, or three months after the date of ratification, whichever is the later date.

### *Special definition in this convention:*

“**Ship**” means a vessel of any type whatsoever operating or having operated in the marine environment and includes submersibles, floating craft, floating platforms, self-elevating platforms, Floating Storage Units (FSUs), and Floating Production Storage and Offloading Units (FPSOs), including a vessel stripped of equipment or being towed.

“**New ship**” means a ship:

1. that 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 on or after six months 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 Convention.

### *Descriptions & requirements:*

#### ***1- Requirement for ships:***

Installation or using of Hazardous Materials listed in Appendix 1 on ships shall prohibit and/or restrict.

Each **new ship** shall have an Inventory of Hazardous Materials (IHM) that be verified by the Administration or RO. The IHM shall identify as Part I, location and approximate quantities of Hazardous Materials listed in Appendices 1 and 2 the Convention.

**Existing ships** shall comply as far as practicable with above paragraph not later than 5 years after the entry into force of this Convention, or before going for recycling if this is earlier. HSSC should be consider in this subject. The Hazardous Materials listed in Appendix 1, shall be identified when the Inventory is developed. A plan shall be prepared describing the visual/sampling check by which the IHM is developed, For existing ships.

Part I of the IHM shall be properly maintained and updated throughout the operational life of the ship, reflecting new installations containing Hazardous Materials listed in Appendix 2 and relevant changes in ship structure and equipment.

Prior to recycling the Inventory shall, in addition to the properly maintained and updated Part I, incorporate Part II for operationally generated wastes and Part III for stores, and be verified either by the Administration or by RO.

Ships destined to be recycled shall only be recycled at Ship Recycling Facilities that are authorized in accordance with this Convention and should be certified as ready for recycling prior to any recycling activity taking place.

A ship-specific Ship Recycling Plan shall be developed by the Ship Recycling Facility (ies) prior to any recycling of a ship. This plan should approve by the competent authority (Explicitly or tacitly).

***1-1- Survey and certification:***

Specified surveys shall be done onboard the vessels:

1. Initial survey (for issuing IHM Certificate).
2. Renewal survey (five yearly).
3. Additional survey at the request of the ship-owner (after any significant change).
4. Final survey prior to the ship being taken out of service and before the recycling of the ship has started.

IHM certificate issued by administration or RO with 5 years validity and have 3 months windows before expiring date for renewal survey and issuing new certificate.

Ready for Recycling Certificate issued after successful completion of final survey with 3 months validity and can be extended by administration/RO for a single voyage to recycling facility.

***2- Requirement for ship recycling facilities:***

Ship recycling facility shall authorize by competent authority. The authorization shall be valid for five years. Each Party shall establish a mechanism for ensuring that Ship Recycling Facilities comply with the requirements of convention that may include an audit scheme that results of these audits should be communicated to the IMO.

Ship recycling facility shall have quality and HSE management system.

A Statement of Completion shall be issued by the Ship Recycling Facility when the recycling of a ship is completed.

## APPENDIX 1: CONTROLS OF HAZARDOUS MATERIALS

Hazardous Material	Definitions	Control measures
Asbestos	Materials containing asbestos	For all ships, new installation of materials which contain asbestos shall be prohibited.
Ozone-depleting substances	<p>Ozone-depleting substances means controlled substances defined in paragraph 4 of article 1 of the Montreal Protocol on Substances that Deplete the Ozone Layer, 1987, listed in Annexes A,B,C or E to the said Protocol in force at the time of application or interpretation of this Annex.</p> <p>Ozone-depleting substances that may be found on board ship include, but are not limited to:</p> <p>Halon 1211                      Bromochlorodifluoromethane                      Halon 1301 Bromotrifluoromethane Halon 2402                      1,2-Dibromo-1,1,2,2- tetrafluoroethane (also known as Halon 114B2)                      CFC-11 Trichlorofluoromethane CFC-12                      Dichlorodifluoromethane CFC-113 1,1,2-Trichloro-1,2,2- trifluoroethane                      CFC-114 1,2-Dichloro-1,1,2,2-tetrafluoroethane                      CFC-115 Chloropentafluoroethane</p>	New installations which contain ozone-depleting substances shall be prohibited on all ships, except that new installations containing hydrochlorofluorocarbons (HCFCs) are permitted until 1 January 2020.
Polychlorinated biphenyls (PCB)	“Polychlorinated biphenyls” means aromatic compounds formed in such a manner that the hydrogen atoms on the biphenyl molecule (two benzene rings bonded together by a single carbon-carbon bond) may be replaced by up to ten chlorine atoms	For all ships, new installation of materials which contain Polychlorinated biphenyls shall be prohibited.
Anti-fouling compounds and systems	Anti-fouling compounds and systems regulated under Annex I to the International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001 (AFS Convention) in force at the time of application or interpretation of this Annex.	<ol style="list-style-type: none"> <li>1. No ship may apply anti-fouling systems containing organotin compounds as a biocide or any other anti-fouling system whose application or use is prohibited by the AFS Convention.</li> <li>2. No new ships or new installations on ships shall apply or employ anti-fouling compounds or systems in a manner inconsistent with the AFS Convention.</li> </ol>

## APPENDIX 2

### MINIMUM LIST OF ITEMS FOR THE INVENTORY OF HAZARDOUS MATERIALS

Any Hazardous Materials listed in Appendix 1
Cadmium and Cadmium Compounds
Hexavalent Chromium and Hexavalent Chromium Compounds
Lead and Lead Compounds Mercury and
Mercury Compounds Polybrominated
Biphenyl (PBBs) Polybrominated
Diphenyl Ethers (PBDEs)
Polychlorinated Naphthalenes (more than 3 chlorine atoms) Radioactive Substances
Certain Shortchain Chlorinated Paraffins (Alkanes, C10-C13, chloro

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