**Ozone Depleting Substances**

**(ODS)**

**RECORD BOOK**

**(per Marpol Annex VI, Reg.12.6 and 12.7, as amended, required for vessels that have rechargeable systems that contain ozone-depleting substances and per** [EMM](http://srv-glas301:82/Leisure/content/parent%20category%20topics/procedures%20and%20operations/emm.htm) > 1.0 Air Pollution (MARPOL Annex VI) **required for all vessels that have ODS onboard )**

**Vessel Name:**

**“Entries in the Ozone Depleting Substances Record Book shall be recorded in terms of mass (kg) of substance and shall be completed without delay on each occasion, in respect of the following:**

**.1 recharge, full or partial, of equipment containing ozone depleting substances;**

**.2 repair or maintenance of equipment containing ozone depleting substances;**

**.3 discharge of ozone depleting substances to the atmosphere:**

**.3.1 deliberate; and**

**.3.2 non-deliberate;**

**.4 discharge of ozone depleting substances to land-based reception facilities; and**

**.5 supply of ozone depleting substances to the ship.**

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| **SECTION 1 ODS Systems and Equipment Inventory** | | | | | | |
| *Add more pages to section 1 if necessary in order to list all ODS equipment (verify with IAPPC)* | | | | | | |
|  | **ODS**  **Equipment / System** | **Location** | **ODS Type** | **Quantity**  **of ODS [kg]** | **Recovery System** | **Remarks** |
| **1** |  |  |  |  |  |  |
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**Guidance notes for identification of systems and equipment:**

1. Any appliance with more than 3 (three) kgs of refrigerant in the system, and
2. Any appliance containing and using one of the following ODS's:

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| **CFC – 11** | **Halon 1211** |
| **CFC – 12** | **Halon 1301** |
| **CFC – 113** | **Halon 2402** |
| **CFC – 114** | **HFCs** |
| **CFC -115** | **HCFCs (for EU Flags)** |

1. ODS are not limited to the list above. Contact the Fleet Superintendent if further guidance is needed
2. The Flag Administration ODS requirements are to be always verified.

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| **SECTION 2 ODS (Addition/Removal / Leak Test / Leak) Maintenance Log** | | | | | | | | | |
| *Keep a separate sheet for each system / equipment containing more than 3 kg of ODS identified in Section 1.*  **ODS System / Equipment:** | | | | | | | | | |
| **Date** | **Specify action and reason:** | | | | **Location on System / Equipment** | **Estimated Quantity**  **[kg]** | **In case of a Leak:** | | **Responsible Engineer’s Signature** |
| **ODS addition\*** | **ODS removal** | **ODS Leak test \*\*** | **ODS leakage (specify deliberate or not)** | **Repair Date** | **Quantity Re-charged [kg]** |
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**\* different type refrigerants (with different ASHRAE numbers) must NOT be mixed in any installed system**

**\*\*indicate the leak detector used**

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| **SECTION 3 ODS Equipment Disposal Log** | | | | | | |
| ***\* Include brief description of any remedial actions in notes*** | | | | | | |
| **Date** | **ODS Equipment Disposed** | **Approved Reception Facility** | **ODS Recovered Y/N** | **Quantity Recovered [kg] and Where Stored** | **Oil Recovered Y/N [type, kg]** | **Responsible Engineer’s Signature** |
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| **Notes:** | | | | | | |
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| **SECTION 4 ODS Supply and Use Log** | | | | | | | | | |
| *Keep a separate sheet for each storage cylinder received / supplied onboard*  **Cylinder Description / marking / numbers:** **Type of ODS:       Storage Location:** | | | | | | | | | |
| **Date** | **Start Quantity [kg]** | **Specify action** | | | **Quantity reduced with [kg]** | **Stop Quantity [kg]** | **Date Landed, specify in Section3** | **Remarks** | **Responsible Engineer’s Signature** |
| **Leak Test** | **Leakage (specify deliberate or not)** | **Used (specify to which system / equipment)** |
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