

MARINE ENVIRONMENT PROTECTION  
COMMITTEE  
74th session  
Agenda item 17

MEPC 74/INF.16  
8 March 2019  
ENGLISH ONLY

**ANY OTHER BUSINESS**

**Calculation of recycling capacity for meeting the entry-into-force  
conditions of the Hong Kong Convention**

**Note by the Secretariat**

**SUMMARY**

*Executive summary:* This document provides information regarding the status of entry into force of the Hong Kong Convention

*Strategic direction, if applicable:* Not applicable

*Output:* Not applicable

*Action to be taken:* Paragraph 8

*Related documents:* SR/CONF/41; resolution MEPC.178(59) and MEPC 73/INF.2

**Background**

1 Article 17 of the Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships, 2009 (Hong Kong Convention) provides that the Convention shall enter-into-force 24 months after the date on which the following conditions are met:

- .1 not less than 15 States have either signed it without reservation as to ratification, acceptance or approval, or have deposited the requisite instrument of ratification, acceptance, approval or accession in accordance with article 16;
- .2 the combined merchant fleets of the States mentioned in paragraph 1.1 constitute not less than 40% 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 1.1 during the preceding 10 years constitutes not less than 3% of the gross tonnage of the combined merchant shipping of the same States.

2 Resolution MEPC.178(59) invites the Secretary-General, when calculating the combined maximum annual ship recycling volume (recycling capacity) of Contracting States, as required by article 17 of the Convention, to refer to annually published statistical data on recycled gross tonnage of shipping, on the following basis:

- .1 for each Contracting State, extract the "annual ship recycling volume" for each of the preceding 10 years, by reference to the data on total gross tonnage provided in the table on disposals by country of breaking in that year's World Casualty Statistics from Lloyd's Register-Fairplay (now known as IHS Maritime & Trade); and
- .2 determine "the maximum annual ship recycling volume" by selecting the highest value occurring in the 10-year period for each Contracting State.

### **Ship recycling capacity**

3 To assist the Committee and other stakeholders to reach a better understanding of the conditions for the Convention's entry into force, the Secretariat, in accordance with resolution MEPC.178(59), has collected the published ship recycling volume data for the preceding 10 years, as shown in the tables in the annex to this document.

4 Table 1 shows, for each country that is recorded by IHS Maritime & Trade as having recycled any ships in the last decade, the total gross tonnage recycled in each of the preceding 10 years (2008 to 2017)\*. The last column of the table shows the maximum annual ship recycling volume of each State, this being the largest entry of recycled gross tonnage in the decade. The maximum annual ship recycling volume of each State may be regarded as the present recycling capacity of that State.

5 Table 2 presents data on the total gross tonnage of the world fleet for each of the preceding 10 years. The second row shows the 40% of the world fleet's gross tonnage figure and the third row shows the 3% of the 40% of the world fleet's tonnage figure (this being the minimum tonnage of combined maximum annual ship recycling volume of Contracting States that is necessary to satisfy the recycling capacity criterion for entry into force of the Convention – see paragraph 1.3 above).

6 Table 3 presents an extract from table 1 showing, for the top five ship recycling States (listed in this paragraph in the order of capacity: India, Bangladesh, China, Pakistan and Turkey), their total gross tonnage recycled annually and their maximum annual ship recycling volume. Table 3 also shows that, for each year in the decade, the top five recycling States have recycled an average of 98% of all tonnage recycled in the world.

### **Status of the Convention**

7 As of the date of this document, eight States, Belgium, Republic of the Congo, Denmark, France, the Netherlands, Norway, Panama and Turkey, have ratified or acceded to the Convention, whose combined merchant fleets (a gross tonnage of 280,962,955) constitute 21.32% of the world's merchant shipping, and whose combined maximum annual ship recycling volumes constitute a gross tonnage of 1,664,249.

### **Action requested of the Committee**

8 The Committee is invited to note the information contained in this document.

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\* The table doesn't include the 2018 ship recycling volume data as the Secretariat has not received the 2018 World Casualty Statistics from IHS Maritime & Trade at the time of issuing this document.

ANNEX 1

CONDITION FOR ENTRY INTO FORCE OF THE HONG KONG CONVENTION

Table 1: Annual ship recycling volume (2008-2017) (Data by IHS Maritime & Trade)

RECYCLING STATE	Annual Ship Recycling Volume										Max.ann'l recl.vol. Max 2008-2017	
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017		
Albania	-	-	889	-	-	1,511	-	-	-	-	-	1,511
Argentina	-	28,697	433	3,852	12,762	-	-	-	-	-	-	28,697
Australia	103	-	-	-	-	-	-	-	-	-	-	103
Azerbaijan	-	-	-	-	-	-	-	84,687	3,112	1,295	-	84,687
Bangladesh	4,176,026	6,608,531	3,927,297	5,837,137	8,837,828	7,304,784	5,519,035	7,517,000	9,888,137	6,361,485	-	9,888,137
Belgium	11,554	5,267	6,389	16,005	36,441	10,351	14,435	19,671	12,358	18,358	-	36,441
Brazil	447	467	369	8,749	6,980	-	-	-	16,177	-	-	16,177
Bulgaria	-	2,406	-	-	-	1,640	-	-	-	-	-	2,406
Canada	1,495	161	622	21,205	18,624	18,810	21,436	13,816	33,305	22,024	-	33,305
Cape Verde	-	1,290	-	-	-	-	-	-	-	-	-	1,290
Chile	-	-	2,406	1,908	-	295	-	-	-	-	-	2,406
China	927,762	7,737,730	4,723,151	5,968,520	8,167,710	7,083,536	4,975,527	4,036,142	3,464,380	3,573,932	-	8,167,710
Colombia	-	-	-	7,519	-	-	-	-	-	-	-	7,519
Cook Islands	465	-	-	-	-	-	-	-	-	-	-	465
Croatia	242	-	492	738	2,814	855	463	219	-	130	-	2,814
Cuba	-	-	-	-	3,711	-	-	-	23,021	23,545	-	23,545
Cyprus	-	-	-	-	-	121	122	-	-	-	-	122
Denmark	12,011	15,829	23,418	28,672	46,416	56,369	30,510	38,131	14,457	29,870	-	56,369
Dominican Republic (of)	-	-	-	-	9,205	-	6,659	10,770	-	-	-	10,770
Ecuador	-	-	-	17,218	27,733	3,986	-	-	-	7,173	-	27,733
Egypt	-	2,143	-	-	-	-	9,085	-	-	-	-	9,085
Estonia	2,342	-	2,426	3,593	852	2,422	-	-	-	-	-	3,593
FINLAND	-	-	-	-	-	-	-	-	-	710	-	710
Fiji	-	-	-	-	-	-	304	-	-	-	-	304
FRANCE	373	3,395	182	331	5,102	3,115	-	-	-	-	-	5,102
French Polynesia	-	-	626	-	-	-	-	-	-	-	-	626
Martinique	-	-	-	-	-	4,057	-	-	-	-	-	4,057
Germany	-	-	-	-	-	274	-	236	1,534	-	-	1,534
Ghana	-	-	-	8,714	-	807	-	-	1,658	-	-	8,714
Greece	-	487	-	-	1,102	-	1,448	-	-	-	-	1,448
Guyana	2,230	-	-	-	-	-	-	-	-	-	-	2,230
Iceland	-	-	-	-	-	-	2,211	-	-	-	-	2,211
India	2,458,113	7,561,258	6,533,954	8,504,517	12,210,082	8,087,096	6,794,891	4,558,446	8,474,617	5,755,526	-	12,210,082
Indonesia	2,813	6,695	-	-	9,110	14,918	26,863	7,283	6,708	22,436	-	26,863
Iran (Islamic Republic of)	-	-	-	-	126	-	-	-	-	-	-	126
Ireland	-	-	147	173	-	-	-	-	-	-	-	173
Italy	-	-	1,433	-	-	-	106	-	-	-	-	1,433
Japan	495	990	45,706	-	-	13,343	7,982	-	-	7,540	-	45,706
Kenya	-	-	-	-	-	-	895	-	-	-	-	895
Korea (Democratic People's Republic of)	-	-	-	1,888	-	-	-	-	-	-	-	1,888

RECYCLING STATE	Annual Ship Recycling Volume (continued)										Max.ann'l recl.vol.
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Max 2007-2016
Korea (Republic of)	-	673	-	-	-	11,246	10,502	5,967	9,871	4,233	<b>11,246</b>
Latvia	118	-	695	1,857	2,065	3,911	398	-	1,313	10,666	<b>10,666</b>
Lithuania	2,699	721	1,400	2,303	1,895	14,002	7,617	3,468	466	-	<b>14,002</b>
Madagascar	-	-	-	-	-	571	-	-	-	-	<b>571</b>
Malta	-	-	-	947	-	141	-	-	-	-	<b>947</b>
Mexico	8,671	-	-	9,304	18,659	95,052	26,309	26,308	660	-	<b>95,052</b>
Morocco	-	-	-	-	-	3,025	-	-	-	-	<b>3,025</b>
Namibia	-	-	-	-	-	-	-	2,692	-	-	<b>2,692</b>
Netherlands	6,602	4,185	538	6,647	188	2,001	2,773	11,288	8,482	10,711	<b>11,288</b>
Curacao	-	-	-	-	-	-	1,408	1,599	-	-	<b>1,599</b>
New Zealand	3,007	-	-	1,044	222	-	-	149	-	-	<b>3,007</b>
Nigeria	-	4,015	-	-	-	2,579	-	836	-	2,040	<b>4,015</b>
Norway	6,261	-	818	3,610	2,894	3,790	2,292	1,109	4,821	1,997	<b>6,261</b>
Oman	574	-	-	-	-	-	-	-	-	-	<b>574</b>
Pakistan	273,937	2,100,637	2,443,304	3,013,926	5,499,481	5,376,443	4,092,971	4,588,831	5,703,133	4,302,798	<b>5,703,133</b>
Panama	-	-	2,125	789	1,440	-	3,305	-	-	-	<b>3,305</b>
Papua New Guinea	-	-	614	-	-	-	-	1,849	-	-	<b>1,849</b>
Peru	-	6,892	-	-	-	-	-	-	-	-	<b>6,892</b>
Philippines	-	-	7,977	-	1,216	4,036	3,828	14,875	-	3,307	<b>14,875</b>
Poland	-	-	-	-	2,857	-	-	454	-	-	<b>2,857</b>
Portugal	249	3,466	2,933	-	-	3,095	1,862	-	-	-	<b>3,466</b>
Romania	109	-	-	-	-	9,160	2,356	-	-	-	<b>9,160</b>
Russian Federation	12,348	5,318	-	3,924	3,075	2,175	1,383	1,638	39,646	3,120	<b>39,646</b>
Slovenia	-	-	-	-	312	-	-	-	-	-	<b>312</b>
South Africa	-	585	453	292	-	-	647	1,895	1,256	-	<b>1,895</b>
Spain	6,165	14,206	11,709	8,285	16,656	7,468	7,517	11,422	6,105	4,472	<b>16,656</b>
Sweden	-	-	-	-	-	19,638	-	4,166	-	-	<b>19,638</b>
Thailand	677	-	-	-	-	-	-	865	-	-	<b>865</b>
Trinidad and Tobago	-	400	-	1,747	-	-	5,423	-	-	-	<b>5,423</b>
Turkey	141,351	557,251	658,473	1,067,425	1,540,800	1,369,955	977,695	751,759	721,083	971,278	<b>1,540,800</b>
Ukraine	-	717	-	825	4,517	1,836	-	-	-	2,516	<b>4,517</b>
United Arab Emirates	950	-	-	-	-	-	-	-	-	-	<b>950</b>
United Kingdom	-	2,411	707	2,269	1,249	582	6,302	1,848	3,589	1,937	<b>6,302</b>
Bermuda	134	-	-	-	-	-	-	-	-	-	<b>134</b>
Gibraltar	-	-	-	2,099	-	-	-	195	-	-	<b>2,099</b>
United Republic of Tanzania	520	-	-	-	3,119	-	-	-	-	-	<b>3,119</b>
United States of America	196,410	10,868	133,428	204,348	114,908	168,716	114,666	7,431	88,647	58,041	<b>204,348</b>
Uruguay	-	-	203	-	-	-	1,378	-	-	-	<b>1,378</b>
Viet Nam	-	-	-	-	15,616	67,437	23,382	10,280	11,188	1,160	<b>67,437</b>
Venezuela (Bolivarian Republic of)	-	-	-	-	-	-	1,155	-	-	-	<b>1,155</b>
UNKNOWN	22,534	270,829	138,715	253,993	191,631	62,676	53,432	59,272	60,376	222,760	<b>270,829</b>
<b>TOTALS</b>	<b>8,279,787</b>	<b>24,958,520</b>	<b>18,674,032</b>	<b>25,016,373</b>	<b>36,819,398</b>	<b>29,833,768</b>	<b>22,764,630</b>	<b>21,796,597</b>	<b>28,600,100</b>	<b>21,425,060</b>	<b>38,816,972</b>

**Table 2: World fleet in GT terms (Data by IHS Maritime & Trade)**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
WORLD FLEET	882,634,804	957,982,304	1,043,081,509	1,081,204,742	1,122,649,460	1,166,847,462	1,211,877,004	1,248,583,186	1,291,046,701	1,334,630,042
40% of WORLD FLEET	353,053,922	383,192,922	417,232,604	432,481,897	449,059,784	466,738,985	484,750,802	499,433,274	516,418,680	533,852,017
3% of 40%	10,591,618	11,495,788	12,516,978	12,974,457	13,471,794	14,002,170	14,542,524	14,982,998	15,492,560	16,015,561

**Table 3: Annual ship recycling volume of the largest ship recycling countries (Data by IHS Maritime & Trade)**

RECYCLING STATE	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Max.annl recl.vol. Max 2008-2017
BANGLADESH	4,176,026	6,608,531	3,927,297	5,837,137	8,837,828	7,304,784	5,519,035	7,517,000	9,888,137	6,361,485	<b>9,888,137</b>
CHINA	927,762	7,737,730	4,723,151	5,968,520	8,167,710	7,083,536	4,975,527	4,036,142	3,464,380	3,573,932	<b>8,167,710</b>
INDIA	2,458,113	7,561,258	6,533,954	8,504,517	12,210,082	8,087,096	6,794,891	4,558,446	8,474,617	5,755,526	<b>12,210,082</b>
PAKISTAN	273,937	2,100,637	2,443,304	3,013,926	5,499,481	5,376,443	4,092,971	4,588,831	5,703,133	4,302,798	<b>5,703,133</b>
TURKEY	141,351	557,251	658,473	1,067,425	1,540,800	1,369,955	977,695	751,759	751,759	971,278	<b>1,540,800</b>
<b>Sum of top five recycling States</b>	<b>7,977,189</b>	<b>24,565,407</b>	<b>18,286,179</b>	<b>24,391,525</b>	<b>36,255,901</b>	<b>29,221,814</b>	<b>22,360,119</b>	<b>21,452,178</b>	<b>28,282,026</b>	<b>20,965,019</b>	<b>37,509,862</b>
<b>Rest of the world</b>	<b>302,598</b>	<b>393,113</b>	<b>387,853</b>	<b>624,848</b>	<b>563,497</b>	<b>611,954</b>	<b>404,511</b>	<b>344,419</b>	<b>318,074</b>	<b>460,041</b>	<b>1,307,110</b>
<b>WORLD TOTAL</b>	<b>8,279,787</b>	<b>24,958,520</b>	<b>18,674,032</b>	<b>25,016,373</b>	<b>36,819,398</b>	<b>29,833,768</b>	<b>22,764,630</b>	<b>21,796,597</b>	<b>28,600,100</b>	<b>21,425,060</b>	<b>38,816,972</b>
<b>% of top five to world totals</b>	<b>96%</b>	<b>98%</b>	<b>98%</b>	<b>98%</b>	<b>98%</b>	<b>98%</b>	<b>98%</b>	<b>98%</b>	<b>99%</b>	<b>98%</b>	<b>98%</b>
											10 year average: