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Groupe de travail sur la construction navale
Sous-groupe sur l'offre et la demande
Working Party on Shipbuilding
Sub-Group on Supply and Demand

SYSTEME GLOBAL D'INFORMATION SUR LA CAPACITE DE LA CONSTRUCTION NAVALE EN 1998
COMPREHENSIVE INFORMATION SYSTEM ON SHIPBUILDING CAPACITY IN 1998

(Note du Secrétariat)
(Note by the Secretariat)

Les Délégations trouveront ci-joint l'ensemble des réponses au questionnaire C/WP6/SG(98)14. Les réponses qui n'auront pas encore été reçues par le Secrétariat seront diffusées dans un addendum à ce document dès leur réception.
Delegations will find, hereafter, replies to questionnaire C/WP6/SG(98)14. The replies not yet received by the Secretariat will be circulated in an addendum to this document as soon as they have been received.

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I. AVAILABLE NATIONAL CAPACITY/CAPACITE NATIONALE DISPONIBLE

000 cgt/000 tbc

Countries/Pays	1976	1990	1991	1992	1993	1994	1995	1996	1997	1998
BELGIUM/BELGIQUE	200	83	84	84	51	46				
DENMARK/DANEMARK	600	375	400	400	410	420	420	400	400	400
FINLAND/FINLANDE	320	330		200	200	200	237	454		
FRANCE	800	170	170	170	170	170	170	170	170	210
GERMANY/ALLEMAGNE*	2 100	1 300	1 300	1 300	1 100	1 100	1 100	1 100	1 100	1 100
GREECE/GRECE	100	65	65	65	65	65				
ITALY/ITALIE	494	275	275	275	275	275	275	426	426	426
NETHERLANDS/PAYS-BAS	584	300	300	300	300	300	440	550	550	550
PORTUGAL	110	80	80	80	80	79	78	78		
SPAIN/ESPAGNE	1 000	400	400	400	400	400	400	400	380	380
SWEDEN/SUEDE	1 125	200	32	30	28	45	35	35	35	35
UNITED KINGDOM/ROYAUME-UNI	840	205	205	185	185	185	125	129	129	129
EC Total/Total CE*	8 273	3 783	3 311	3 489	3 264	3 285	3 280	3 742	3 190	3 230
NORWAY/NORVEGE	727	250	250	250	260	390	400	400	400	400
POLAND/POLOGNE								840	840	840
Total OECD-Europe/Total OCDE-Europe*	9 000	4 033	3 561	3 739	3 524	3 675	3 680	4 982	4 430	4 470
UNITED STATES/ETATS-UNIS										
JAPAN/JAPON	10 770	5 600	5 600	5 600	5 600	5 600	5 600	5 600	5 600	5 600
SUB TOTAL/SOUS TOTAL*	19 770	9 633	9 161	9 339	9 124	9 275	9 280	10 582	10 030	10 070
KOREA/COREE**	2 600	4 000	4 500	4 500	4 500	4 500	N/A	N/A	N/A	N/A
TURKEY/TURQUIE	35	51	51	45	61	61	61	61	592	633
Total WP6/Total GT6*										

* including yards from East in Germany in 1976/ y compris les chantiers de l'Est en Allemagne en 1976.

** gt/tb

Figures in italics only/Chiffres en italique uniquement : Estimate by the Secretariat. See the explanatory note.\Estimation du Secrétariat. Voir la note explicative.

II. SHIPS COMPLETED/NAVIRES ACHEVES

000 cgt/000 tbc

Countries/Pays	1976	1990	1991	1992	1993	1994	1995	1996	1997	1998
BELGIUM/BELGIQUE	141	60	23		5	49				
DENMARK/DANEMARK	560	305	345		342	322	380	395	304	334
FINLAND/FINLANDE	310	314	223	214	194	126	237	454		
FRANCE	769	99	164	206	61	109	242	219	200	211
GERMANY/ALLEMAGNE*	2 100	1 100	1 100	900	1 000	1 000	1 100	1 100	1 038	1 086
GREECE/GRECE	51	18	0							
ITALY/ITALIE	336	332	410	366	385	395	265	568	462	683
NETHERLANDS/PAYS-BAS	507	346	206	413	257	308	345	410	429	521
PORTUGAL	106	78	25	55	54	22	31	31		
SPAIN/ESPAGNE	841	384	415	407	316	204	302	332	252	405
SWEDEN/SUEDE	932	2	5	2	4	1	3	7		
UNITED KINGDOM/ROYAUME-UNI	824	208	142	167	233	138	99	132	209	77
EC Total/Total CE*	7 477	3 246	3 058	2 730	2 851	2 674	3 004	3 648	2 894	3 317
NORWAY/NORVEGE	213	232	385	366	275	262	284	383	410	396
POLAND/POLOGNE								505	484	518
Total OECD-Europe/Total OCDE-Europe*	7 690	3 478	3 443	3 096	3 126	2 936	3 288	4 536	3 788	4 231
UNITED STATES/ETATS-UNIS										
JAPAN/JAPON	7 857	3 939	4 200	4 372	4 713	5 187	5 778	6 227	6 710	7 073
SUB TOTAL/SOUS TOTAL*	15 547	7 417	7 643	7 468	7 839	8 123	9 066	10 763	10 498	11 304
KOREA/COREE		1 704	1 937	1 885	1 603	2 412	2 903	3 849	4 091	4 312
TURKEY/TURQUIE	29			18	14	15	15	15	112	101
Total WP6/Total GT6*	15 576	9 121	9 580	9 371	9 456	10 550	11 984	14 627	14 701	15 717

* including yards from East in Germany in 1976./ y compris les chantiers de l'Est en Allemagne en 1976.

III. NUMBER OF SHIPYARDS/NOMBRE DE CHANTIERS

a) from 100gt to less than 5000gt/de 100 tb à moins de 5000 tb

Countries/Pays	1976		1994		1995		1996		1997		1998	
	A	B	A	B	A	B	A	B	A	B	A	B
BELGIUM/BELGIQUE	6	6	3	3								
DENMARK/DANEMARK	14	12	2	2	3	3	3	3	3	3	3	3
FINLAND/FINLANDE	4	2	0	0	0	0	0	0				
FRANCE	9	8	5	3	5	3	5	3	4	3	4	3
GERMANY/ALLEMAGNE*	24	24	16	16	16	16	12	12	11	11	10	10
GREECE/GRECE	2	2										
ITALY/ITALIE	3	3	3	3	1	1	6	6	6	6	6	6
NETHERLANDS/PAYS-BAS	42	40	26	26	26	26	24	24	26	26	26	26
PORTUGAL	4	4	4	4	3	3	3	3				
SPAIN/ESPAGNE	26	26	16	16	14	14	14	14	14	14	14	14
SWEDEN/SUEDE	6	6										
UNITED KINGDOM/ROYAUME-UNI	34	26	7	7	3	3	4	4	4	4	4	4
EC Total/Total CE*	174	159	82	80	71	69	71	69	68	67	67	66
NORWAY/NORVEGE	65	62	29	24	30	25	30	25	29	25	29	25
POLAND/POLOGNE							4	4	4	4	4	4
Total OECD-Europe/Total OCDE-Europe*	239	221	111	104	101	94	105	98	101	96	100	95
UNITED STATES/ETATS-UNIS												
JAPAN/JAPON	494	482	447	409	433	394	442	414	425	403	408	380
SUB TOTAL/SOUS TOTAL*	733	703	558	513	534	488	547	512	526	499	508	475
KOREA/COREE	135	135	68		67		69		69		58	
TURKEY/TURQUIE	4	1	2	1	2	1	2	1	11		11	
Total WP6/Total GT6*	872	839	628		603		618		595		577	

A: number of shipyards/nombre de chantiers.

B: number of companies/nombre de sociétés.

* including yards from East in Germany in 1976/ y compris les chantiers de l'Est en Allemagne en 1976.

III. NUMBER OF SHIPYARDS/NOMBRE DE CHANTIERS

b) 5000gt and over/5000 tb et plus

Countries/Pays	1976			1994			1995			1996			1997			1998			
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
BELGIUM/BELGIQUE	2	2	80	2	1	64													
DENMARK/DANEMARK	5	5	90	5	5	90	5	5	90	4	4	90	4	4	90	4	4	90	
FINLAND/FINLANDE	7	5	80	3	2	100	3	2	100	3	2	100							
FRANCE	7	6	97	2	2	89	2	2	89	2	2	89	2	2	89	2	2	90	
GERMANY/ALLEMAGNE*	31	24	92	21	21	94	21	21	94	23	23	92	22	22	96	21	21	93	
GREECE/GRECE	2	2	95																
ITALY/ITALIE	12	8	95	12	6	95	12	7		18	14	96	18	14	96	18	14	96	
NETHERLANDS/PAYS-BAS	21	13	60	14	14	74	14	14	74	15	15	73	16	16	70	16	16	70	
PORTUGAL	3	3	89	2	2	90	2	2	90	2	2	90							
SPAIN/ESPAGNE	17	13	76	10	8	80	9	7	83	9	7	83	9	7	80	9	7	80	
SWEDEN/SUEDE	8	8	100																
UNITED KINGDOM/ROYAUME-UNI	20	9		4	4	97	4	4	96	5	5	93	5	5	93	5	5	93	
EC Total/Total CE*	135	98		75	65		72	64		81	74		76	70		75	69		
NORWAY/NORVEGE	20	19	60	15	10	70	15	9	70	15	9	70	14	9	75	14	9	75	
POLAND/POLOGNE										5	5	98	5	5	98	5	5	98	
Total OECD-Europe/Total OCDE-Europe*	155	117		90	75		87	73		101	88		95	84		94	83		
UNITED STATES/ETATS-UNIS																			
JAPAN/JAPON	85	61	90	50	37	84	51	39	84	50	39	86	59	45	90	60	47	93	
SUB TOTAL/SOUS TOTAL*	240	178		140	112		138	112		151	127		154	129		154	130		
KOREA/COREE	3	3		9	9	98	9		N/A	9		N/A	10			10			
TURKEY/TURQUIE	1	1	56	2	1	50	2	1	50	2	1	50	26		70	26		70	
Total WP6/Total GT6*	244	182		151	122		149			162			190			190			

A: number of shipyards/nombre de chantiers.

B: number of companies/nombre de sociétés.

C: percent of these shipyards in the total capacity/pourcentage de ces chantiers dans la capacité totale.

* including yards from East in Germany in 1976/ y compris les chantiers de l'Est en Allemagne en 1976.

IV. LABOUR FORCE/MAIN D'OEUVRE

persons/personnes

Countries/Pays	1976		1994		1995		1996		1997		1998	
	A	B	A	B	A	B	A	B	A	B	A	B
BELGIUM/BELGIQUE	7 328		1 652									
DENMARK/DANEMARK	13 400		7 500		7 600		6 500		6 200		6 080	
FINLAND/FINLANDE	18 006	839	7 284	1 596	7 321	1 912	6 536	1 369				
FRANCE	32 500		5 910		5 790		5 705		5 530		5 390	
GERMANY/ALLEMAGNE*	71 500		22 900	incl.	23 300	incl.	20 200	incl.	17 100	incl.	16 200	incl.
GREECE/GRECE	7 452	15										
ITALY/ITALIE	22 360	1 665	8 273	1 024	8 419	1 756	10 225	2 900	10 500	5 000	10 800	6 500
NETHERLANDS/PAYS-BAS	20 850	2 090	4 200	600	4 200	600	4 200	600	4 200	600	4 200	600
PORTUGAL	6 357		2 412	320	2 196	480	2 196	480				
SPAIN/ESPAGNE	44 265	13 110	14 155	100	11 690	350	11 050		10 430		9 150	
SWEDEN/SUEDE	23 600	700	540	90	465	70	465	70	320	50	320	50
UNITED KINGDOM/ROYAUME-UNI	47 212		4 738	n/a	4 653	n/a	4 512	n/a	8 472	n/a	10 065	n/a
EC Total/Total CE*	314 830	18 419	79 564	3 730	75 634	5 168	71 589	5 419	62 752	5 650	62 205	7 150
NORWAY/NORVEGE	18 500		4 000	900	5 000	1 600	5 000	1 300	5 100	1 700	5 300	1 500
POLAND/POLOGNE							25 940	2 245	18 322	1 735	18 294	3 543
Total OECD-Europe/Total OCDE-Europe*	333 330	18 419	83 564	4 630	80 634	6 768	102 529	8 964	86 174	9 085	85 799	12 193
UNITED STATES/ETATS-UNIS												
JAPAN/JAPON	175 000	69 000	53 000	34 000	51 000	32 000	46 000	34 000	45 000	36 000	43 000	36 000
SUB TOTAL/SOUS TOTAL*	508 330	87 419	136 564	38 630	131 634	38 768	148 529	42 964	131 174	45 085	128 799	48 193
KOREA/COREE	40 522		30 909	10 086	40 400	13 700	38 900	14 900	37 140	12 998	35 340	13 185
TURKEY/TURQUIE	5 280		2 962		2 701				5 112	8 397	4 913	8 250
Total WP6/Total GT6*	554 132	87 419	170 435	48 716	174 735	52 468	187 429	57 864	173 426	66 480	169 052	69 628

A: direct employment/emploi direct.

B: subcontracting/soustraitance.

* including yards from East in Germany in 1976/ y compris les chantiers de l'Est en Allemagne en 1976.

Figures in italics only/Chiffres en italique uniquement : Estimate by the Secretariat. See the explanatory note. \Estimation du Secrétariat. Voir la note explicative.

Table I - Tableau I

AVAILABLE NATIONAL CAPACITY - CAPACITE NATIONAL DISPONSABLE

FRANCE

1. Construction of naval vessels and ship repair are not included.

1. Les arsenaux (construction de navires militaires) et les chantiers de réparation navale ne sont pas compris.

SPAIN/ESPAGNE

1. All data about national capacity until 1993 were only available in cgrt because restructuring programmes of Spanish shipyards were based in that unit. The present capacity amounts to 352 500 cgrt, which are approximately equivalent to 380 000 cgt.

1. Toute les données relatives à la capacité nationale disponible jusqu'au 1993 sont indiquées uniquement en tjbc parce que les programmes de restructuration des chantiers navals espagnols son établis en utilisant cette unité. La capacité actuelle s'élève à 352 500 tjbc, ce qui équivaut environ à 380 000 tbc.

2.1 The limit applicable is 100 gt.

2.1 La limite applicable est de 100 tb.

2.2 The OECD compensation coefficients are used.

2.2 Les coefficients de compensation utilisés sont ceux de l'OCDE.

2.3 Capacity of naval shipbuilding and offshore construction are not included.

2.3 La capacité de la construction navale militaire et de la construction offshore n'est pas prise en compte.

JAPAN/JAPON

1. 5 600 000 cgt is calculated by the Japanese calculation formula, which is mainly based on the physical dimension of each dock/berth, with the unit of cgt as an indicator which Japan's ministry has adopted in order to control the amount of Japanese shipbuilding capacity.

1. L'estimation de 5 600 000 tbc a été obtenue à l'aide d'une formule qui est essentiellement fondée sur les dimensions physiques de chaque dock/poste à quai. Le poste à quai constitue en effet l'unité de tbc utilisée par le ministère Japonais pour évaluer les capacités de construction navale du pays.

NOTE BY THE SECRETARIAT/NOTE DU SECRETARIAT

1. The Delegation of the Netherlands reported the capacity as 500 000-600 000 cgt. However, in need of indicating the total capacity in cgt, the Secretariat assumed that the capacity in the Netherlands could be approximated to be 550 000 cgt.

1. La Délégation néerlandaise a signalé une capacité de 500 000-600 000 tbc. Toutefois, afin de pouvoir indiquer la capacité totale en tbc, le Secrétariat a supposé que la capacité des Pays-Bas pouvait être évaluée à 550 000 tbc environ.

Table III - Tableau III

NUMBER OF SHIPYARDS - NOMBRE DE CHANTIERS

JAPAN/JAPON

1. Only shipyards building steelships are counted.
1. Ne sont pris en compte que les chantiers construisant des navires en acier.
2. For the category “under 5 000 gt”, shipyards building ships of 20 gt and over are counted.
2. Pour la catégorie “moins de 5 000 tb” ne sont pris en compte que les chantiers construisant des navires de 20 tb et plus.

Table IV - Tableau IV

LABOUR FORCE - MAIN-D'OEUVRE

SPAIN/ESPAGNE

1. Repairing, offshore building and other activities are included.

1. La réparation, la construction offshore et autres activités sont prises en compte.

2. Labor force directly engaged in 1998 (9 150) can be split in about 6 369 for newbuilding and about 2 781 for ship repairing, offshore and other activities.

2. La main-d'oeuvre directement engagée en 1998 (9 150 personnes) se répartit entre, d'une part, la construction de navires neufs (environ 6 369 personnes) et, d'autre part, la réparation, la construction offshore et les autres activités (environ 2 781 personnes).

UNITED KINGDOM/ROYAUME-UNI

1. Figures include warship because one of the company builds both merchant and war ships.

1. Les chiffres comprennent les navires de guerre, car l'une des entreprises construit à la fois des navires de guerre et des navires marchands.

JAPAN/JAPON

1. The figures cover the employees working at shipyards having capacity for the ships of more than 20 gt or 15 meters in length.

1. Les chiffres englobent les salariés travaillant dans des chantiers qui peuvent construire les navires de plus de 20 tonnes ou de plus de 15 mètres de long.

NOTE BY THE SECRETARIAT/NOTE DU SECRETARIAT

1. The Delegation of the Netherlands reported the subcontracting labour force as 400-800 persons. However, in need of indicating the total number, the Secretariat assumed that the subcontracting labour force in the Netherlands could be approximated to be 600 persons.

1. La Délégation néerlandaise fait état d'un effectif de sous-traitance de 400 à 800 personnes. Cependant, le Secrétariat devant indiquer le total, il a supposé que l'on pouvait établir l'effectif de sous-traitance aux Pays-Bas à environ 600 personnes.

ANNEX - ANNEXE

**LIST OF SHIPYARDS
ABLE TO PRODUCE SHIPS OF 5 000 GT AND OVER**

**LISTE EXHAUSTIVE DES CHANTIERS
EN MESURE DE PRODUIRE DES NAVIRES DE 5 000 TB ET PLUS**

NOTE: Please note that country replies are in English only./Veuillez noter que les réponses des pays sont uniquement en anglais.

**INFORMATION SYSTEM ON SHIPBUILDING CAPACITY/
SYSTEME D'INFORMATION SUR LA CAPACITE DE LA CONSTRUCTION NAVALE**

1. OECD Working Party No. 6 requested by questionnaire C/WP6/SG(98)14 additional information on a list of companies and shipyards (incl. the number of docks/berths in each shipyard and the maximum size in gt of vessels that can be built in each dock/berth) able to build merchant ships of 5 000 gt and over.

1. Le Groupe de travail n° 6 de l'OCDE a demandé, par le biais du questionnaire C/WP6/SG(98)14, des renseignements supplémentaires sur une liste d'entreprises et de chantiers navals (y compris le nombre de cales/formes de chaque chantier et les dimensions maxmales exprimées en tb des navires pouvant être construits dans chaque cale/forme) capables de construire des navires marchands de 5 000 tb et plus.

DENMARK**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5000 GT AND OVER**

Companies and shipyards	Dock/berth	max. size of ships in gt	
		1997	1998
Aarhus Flydedok A/S	Berth	8,000	8,000
Danyard A/S	Dock	35,000*	35,000*
Odense Staalskibsværft A/S	Dock	300,000	300,000
	Dock	100,000	100,000
	Dock	100,000	100,000
Ørskov Christensens Staalskibsværft A/S	Dock	15,000*	15,000*

* Maximum size of ships taking into account the possibility of utilising ship repair facilities.

FRANCE

NOTE by the Secretariat: Having not received the data regarding the present Annex, the Secretariat, for the reference, attaches the following data which is contained in the document C/WP6/SG(96)10.

**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5000 GT AND OVER**

	1976		1994		1995	
	dock/berth	Max. size of ships in gt	dock/berth	max. size of ships in gt	dock/berth	max. size of ships in gt
Chantiers de l'Atrantique	d	270,000	d	270,000	d	270,000
DUBIGEON-Normandie	b	26,800				
	b	15,000				
NORMED, Constructions Navales du Littoral*						
-Dunkerque	b	87,000				
	b	44,000				
-La Ciotat	b	45,000				
	b	17,000				
	d	150,000				
-La Seyne	b	34,000				
	b	30,000				
	d	80,000				
Ateliers et Chantiers du Havre						
-Le Havre	b	max,	b	max.	b	max.
	b	} 20,000	b	} 20,000	b	} 20,000
	b		b		b	
	b		b		b	
-La Rochelle**	b	15,000				
	b	15,000				

* closed in 1989.

** closed in 1987.

GERMANY

LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5000 GT AND OVER

Companies and Shipyards	1976		1997		1998	
	dock/berth	max. size of ships in gt	dock/berth	max. size of ships in gt	dock/berth	max. size of ships in gt
AG "Weser", Bremen	B	110,000	-	-	-	-
	B	80,000	-	-	-	-
Bremerhaven (Seebeckwerft)	B	40,000	-	-	-	-
	D	20,000	-	-	-	-
	D	20,000	-	-	-	-
Schichau Seebeckwerft AG i. K., Bremerhaven			B	40,000	B	40,000
			D	20,000	D	20,000
			D	*20,000	D	*20,000
	B	9,000	-	-	-	-
	B	7,000	-	-	-	-
Aker MTW Werft GmbH, Wismar	B	20,000	-	-	-	-
	B	25,000	-	-	-	-
			D	180,000	D	180,000
Blohm+Voss GmbH, Hamburg	B	20,000	-	-	-	-
	B	37,000	-	-	-	-
	B	125,000	B	125,000	B	125,000
			D cov.	9,000	D cov.	9,000
			D cov.	5,000	D cov.	6,000
Bremer Vulcan Werft GmbH i. K., Bremen	D	250,000	-	-	-	-
	D	15,000	-	-	-	-
	B	25,000	-	-	-	-
	B	40,000	-	-	-	-
	B	55,000	-	-	-	-
	B	40,000	-	-	-	-
Schiffswerft und Maschinenfabrik CASSENS GmbH, Emden	B	6,000	D	10,000	D	10,000
Elbwerft Boizenburg, GmbH i.G.V.	B	5,000	B	5,000	-	-
Elsflether Werft GmbH & Co KG, Elsfleth	B	8,000	B	*8,000	B	*8,000
Flender Werft AG, Lübeck	B	80,000	B	80,000	B	80,000
	B	80,000	-	-	-	-
	B	15,000	-	-	-	-
	B	70,000	-	-	-	-

Flensburger Schiffbau-Gesellschaft mbH & Co. KG, Flensburg	B B	35,000 35,000	B -	60,000 -	B -	60,000 -
Detlef Hegemann Rolandwerft GmbH & Co. KG, Beme			Lift	12,000	Lift	12,000
Howaldtswerke-Deutsche Werft AG						
-Kiel (Dietrichsdorf)	B	60,000	-	-	-	-
-Kiel (Gaarden)	D	120,000	D	120,000	D	120,000
	D	350,000	D	350,000	D	350,000
-Hamburg (since 1986 B&V)	B	71,000	-	-	-	-
HDW-Nobiskrug GmbH, Rendsburg, former Werft Nobiskrug GmbH	B B B	19,000 19,000 20,000	B B -	19,000 19,000 -	B B -	19,000 19,000 -
Husumer Schiffswerft, Inh. Gebr. Kröger GmbH & Co. KG	B B	10,000 8,000	B B	10,000 8,000	B B	10,000 8,000
Martin Jansen GmbH & Co. KG, Leer	B B	15,000 7,000	- -	- -	- -	- -
Kröger Werft GmbH & Co. KG, Rendsburg	B	8,000	B	12,000	B	12,000
Krupp Fördertechnik GmbH, Lübeck	B	22,000	B	*5,000	B	*5,000
Kvaerner Warnow Werft GmbH, Warnemünde	B B B	16,000 16,000 19,000	- - -	- - -	- - -	- - -
			D	100,000	D	100,000
LINDENAU GmbH, Schiffswerft und Maschinenfabrik, Kiel	B	25,000	B	25,000	B	25,000
Fr. Lürssen Werft (GmbH & Co.), Bremen	B	11,000	-	-	D	15,000
Jos. L. Meyer GmbH, Papenburg	B	45,000	- D	- 140,000	- D	- 140,000
Neptun Reparaturwerft GmbH, Rostock	B B B	15,000 5,000 9,000	- - -	- - -	- - -	- - -
Neue Brand Werft GmbH & Co. KG, i.K., Oldenburg	B B	8,000 4,000	- -	- -	- -	- -
Peene-Werft GmbH, Wolgast			D	20,000	D	20,000

Rickmers Rhederei GmbH, Rickmers Werft, Bremerhaven	B B	20,000 11,000	- -	- -	- -	- -
Schlichting-Werft GmbH, Lübeck	B	16,000	-	-	-	-
Gebr. Schürenstedt Schiffswerft, Berne	B B	11,000 9,000	- -	- -	- -	- -
Schulte & Bruns, Emden	B	11,000	-	-	-	-
J.J. Sietas KG, Schiffswerft GmbH & Co., Hamburg	D B	10,000 2,200	D D	18,000 13,000	D D	18,000 13,000
Thyssen Nordseewerke GmbH, Emden	B B B	70,000 30,000 20,000	B - -	70,000 - -	B - -	70,000 - -
Volkswerft Stralsund GmbH	B/D	8,000	B/D	49,500	B/D	49,500

* mainly outfitting, conversions and repair.

ITALY

LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5000 GT AND OVER

List of Shipyards	1998	
	dock/berth	Max. size of ships in gt
I.N.M.A. S.p.A	d	8,000
Fincantieri		
-Stab. Monfalcone	d	150,000
-Stab. Venezia	d	100,000
-Stab. Ancona	d	60,000
-Stab. Palermo	b	30,000
-Stab. Castellammare di Stabia	b	40,000
Cantieri Navali Vittoria S.r.l.	b	3,500
Cantiere Navale F.lli Giacalone S.p.A.	b	2,000
Societa Esercizio Cantieri S.p.A.	b	15,000
C.N.F. Cantiere Navale Ferrari S.r.l.	b	25,000
Cantiere Navale Visentini S.r.l.	b/d	25,000
Nuovi Cantieri Apuania S.p.A.	b	50,000
Cantiere Navale de Poli S.p.A.	b	7,600
Cantiere Navale Mario Morini S.p.A.	b	10,000
Coop. Ing. G. Tommasi Cant. Nav. S.c.r.l.	b	2,000
Cantiere Navale di Pesaro S.r.l.	b	7,000
Rossetti Marino S.p.A.	b	4,000
C.L.E.M.N.A. S.c.r.l.	b	3,000
Cantieri Navali Termoli S.r.l.	b	7,200
Rodriquez Cantieri Navali S.p.A.	b	6,500
Metalcost Construzioni Metalliche S.p.A.	b	3,500
Sestri Cantiere Navale S.p.A.	d	80,000
S.M.E.B. Cantieri Navali S.p.A.	b/d	16,000
Cantiere Navale Fratelli Orlando S.c.a.r.l	b	10,000

THE NETHERLANDS

**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5000 GT AND OVER**

	B/D *	1997-1998 max. size of ships in gt
v.d. Giessen de Noord	B	45,000
	B	55,000
Merwede Shipyard	B	25,000
Verolme Shipyard	B	25,000
	B	22,000
IHC Holland	B	15,000
	B	8,000
De Hoop Lobith	B	20,000
YVC Ysselwerf	B	10,000
Van Diepen	B	6,000
Frisian Shipyard	B	30,000
	D	5,000
Amels	D	5,000
Ferus Smit	B	7,000
Pattje Shipyard	B	6,000
Schelde Scheepsbouw	B	20,000
Scheepswerf Bijlsma	B	6,500
Niestern Sander	D	12,000
De Biesbosch	B	11,000
Bodewes Volharding	B	6,000
Damen Hoogezand	B	6,000

* B = berth, D = dock

SPAIN

NOTE by the Secretariat: Having not received the data regarding the present Annex, the Secretariat, for the reference, attaches the following data which is contained in the document C/WP6/SG(96)10.

**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5000 GT AND OVER**

	1976		1994		1995	
	dock/berth	max. size of ships in gt	dock/berth	max. size of ships in gt	dock/berth	max. size of ships in gt
Astilleros Espanoles						
-Cadiz	b	125,000				
-Olaveaga	b	17,000				
	b					
-Puerto Real	d	1,000,000	d	1,000,000	d	1,000,000
-Sestao	b	70,000	b	75,000	b	75,000
	b	70,000	b	75,000	b	75,000
-Sevilla	b		b	20,000	b	20,000
	b		b	20,000	b	20,000
	b		b	20,000	b	20,000
	b	20,000				
Astilleros y Talleres del Noroeste, El Ferrol	b	200,000	*		*	
	b					
Enrique Lorenzo y Cia., Vigo	b		b	10,000	b	10,000
	b		b	10,000	b	10,000
	b	6,500				
Hijos de J.Barreras, Vigo	b	6,500	b	10,000	b	10,000
	b	6,500	b	10,000	b	10,000
Juliana Constructora Gijonesa, Gijon	b	8,000	b	10,000	b	10,000
	b	8,000	b	10,000	b	10,000
Sociedad Metalurgica Duro Felguera, Gijon	d	6,000				
	d					
Tomas Ruiz de Velasco, Bilbao	b	10,000				
	b					
Union Naval de Levante, Valencia	b	15,000	b	15,000	b	15,000
	b		b	15,000	b	15,000
Astilleros del Cantabrico y Riera, Cantabrico	d	6,000				
	d					
Astilleros Construcciones, Rios	b	5,000				
	b	5,000				
Astilleros de Santander, Santander	d	**6,000	d	**6,000	d	**6,000
	d		d		d	
Astilleros del Atlantico, Santander	b	5,000				
	b					

Astilleros del Cadagua, Bilbao	b b	8,000				
Astilleros Reunidos del Nervion, Bilbao	b b b	10,000	b b b	10,000	b b b	10,000
Naval Gijon, Gijon	d d	10,000	d d	10,000	d d	10,000

* Used for offshore only.

** Used mainly for repairs.

SWEDEN

**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5 000 GT AND OVER**

Companies and shipyards	Dock/berth	Maximum size of ships in gt	
		1997	1998
Bruces Shipyard AB *	b	**65,000	**65,000
Kockums Indusrier AB	b	**5,000	**5,000
Karlskronnavarvet AB	d	**10,000	**10,000

* Only building hulls or sections of hulls.

** Approximate

UNITED KINGDOM

NOTE by the Secretariat: Having not received the data regarding the present Annex, the Secretariat, for the reference, attaches the following data which is contained in the document C/WP6/SG(96)10.

**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5 000 GT AND OVER**

	1976		1994		1995	
	dock/berth	max. size of ships in gt	dock/berth	max. size of ships in gt	dock/berth	max. size of ships in gt
North East shipbuilders*						
-Austin & Pickersgill						
--Southwick	b	12,000				
	b	20,000				
	b	25,000				
--South dock	d/b	12,000				
	d/b	20,000				
-Sunderland Shipbuilders	b	30,000				
--Deptford	b	42,000				
	d	22,000				
--Pallion	b	90,000				
--North Sands						
Kvaerner Govan Ltd.**						
-Govan	b	55,000	b	55,000	b	55,000
	b	20,000				
	b	32,000				
-Scotstoun	d/b	15,000				
	d/b	50,000				
Smith's Dock						
-South Bank	b	18,000				
	b	18,000				
	b	17,000				
Cammell Laird						
-Birkenhead	d/b	50,000				
	d/b	80,000				
	d/b	55,000				
	d/b	20,000				

Swan Hunter						
-Hebburn	d	70,000				
	b	35,000				
	d/b	25,000				
-Wallsend	d/b	150,000				
	d/b	65,000				
	d/b	65,000				
-Neptune	d/b	28,000				
	d/b	28,000				
	d/b	28,000				
-South Shields	d/b	25,000				
-Haverton	d/b	95,000				
-Walker	d/b	80,000				
	d/b	60,000				
Scott Lithgow						
-Cartsburn	d/b	30,000				
	d/b	32,000				
	d/b	5,000				
	d/b	5,000				
-Kingston	d/b	60,000				
	d/b	60,000				
	d/b	150,000				
Scott Lithgow						
-Cartsdyke	d/b	15,000				
	d/b	15,000				
Robb Caledon. Shipb.						
-Dundee	d/b	11,000				
	d/b	11,000				
-Leith	d/b	8,000				
Harland & wolff	d	500,000	d	500,000	d	500,000
	b	70,000	***b		***b	
	b		***b		***b	

* NESL closed in 1989. (Southwick and Pallion Yards)

** Formally Govan Shipbuilders.

*** Not used for newbuilding during the last years.

NORWAY

NOTE by the Secretariat: Having not received the data regarding the present Annex, the Secretariat, for the reference, attaches the following data which is contained in the document C/WP6/SG(96)10.

**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5 000 GT AND OVER**

	1976		1994		1995	
	dock/berth	max. size of ships in gt	dock/berth	max. size of ships in gt	dock/berth	max. size of ships in gt
Aker Group	b b b b d	12,500 25,000 20,000 12,500 150,000	*		*	
Ankerlokken Vaerft Forde	b	15,000				
Drammen Slip & Verksted	b	6,000	****		****	
Fosen Mek. Verksted	b d	10,000 15,000	b d	10,000 15,000	b d	10,000 15,000
A/S Framnaes Mek. Verksted	b	30,000	****		****	
A/S Frederikstad Mek. Verksted	b b	10,000 20,000	**		**	
Haugesund Mekaniske Versted	b	27,500	***		***	
A/S Horted Verft	b d	15,000 40,000	****		**	
Kaldnes Mek. Verksted A/S	b	30,000	*		*	
Kvaerner Kleven Ulsteinvik	b	8,000	b	20,000	b	20,000
Kvaerner Kleven Floro (former Ankerlokken Vaerft)	b	15,000	b	40,000	b	40,000
Kvaerner Kleven Leirvik	d	8,000	d	8,000	d	8,000
Langsten Slip & Batbyggeri	b b	5,000 6,000	b b b	5,000 6,000 10,000	b b b	5,000 6,000 10,000
-Aukra Industrier -Tangen Verft (former Horten Verft)*****						
Moss Rosenberg Verft -Moss	b b	20,000 7,500	**		**	

Moss Rosenberg Verft -Stavanger	b d	17,000 80,000	*/*** only offshore		*/*** only offshore	
Sarpsborg Mek. Versted	b	20,000	**		**	
Sterkoder Mek. Versted	b	6,000	b	10,000	b	10,000
Trosvik Group	b b	10,000 7,000	**		**	
Ulstein Verft A/S	b b	5,000 10,000	b b	5,000 10,000	b b	5,000 10,000
Westamarin A/S (former Kristiansands Mek. Verksted)	b	7,000	***		b	7,000

* Decided to stop shipnewbuilding.

** Closed.

***Mainly offshore and repair activities.

**** Repair activities only.

***** Building hulls only.

POLAND

**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5 000 GT AND OVER**

Shipyard	Dock/berth	max. size of ships in gt	
		1997	1998
Szczecin Shipyard	Berth Wulkan 1	21,400	21,400
	Berth Wulkan 2	21,400	21,400
	Berth Odra Nowa	31,500	31,500
Gdynia Shipyard	Grawing dock I	65,000	65,000
	Grawing dock II	200,000	200,000
Gdanska Shipyard	Berth A1	33,500	33,500
	Berth A2	35,000	35,000
	Berth B1	35,500	35,500
	Berth B3	15,000	15,000
	Berth B5	12,000	12,000
Northern Shipyard	Berth for side launching	6,000	6,000
Gdansk Shiprepair Yard	Dock No 1	6,000	6,000
	Dock No 3	17,000	17,000
	Dock No 4	14,000	14,000
	Dock No 5	56,000	56,000
	Dock No 6	73,000	73,000

JAPAN

**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5 000 GT AND OVER**

INFORMATION PROVIDED BY SAJ

	dock/berth	max. size of ships in gt	
		1997	1998
Mitsubishi Heavy Industries, Ltd.			
-Kobe Shipyard & Engine Works	b	70,200	70,200
-Shimonoseki Shipyard & Engine Works	b	19,800	19,800
-Nagasaki Shipyard & Engine Works	d	117,000	117,000
	b	46,900	46,900
-Koyagi Works	d	250,000	250,000
Imabari Shipbuilding Co., Ltd.			
-Imabari Shipyard	b	16,800	16,800
-Marugame Shipyard	d	40,500	40,500
	d	58,000	58,000
Koyo Dockyard Co., Ltd.			
	d	91,000	118,000
	d	-	46,000
Iwagi Zosen Co., Ltd.	b	5,999	5,999
Nishi Shipbuilding Co., Ltd.	b	5,249	5,249
Ishikawajima-Harima Heavy Industries Co., Ltd.			
-Tokyo Shipyard	b	29,000	29,000
-Aichi Shipyard	d	85,400	85,400
-Kure Shipyard	d	88,000	88,000
	d	251,000	170,000
IHI AMTEC	b	-	11,000
Sumitomo Heavy Industries, Ltd.			
-Yokosuka Works	d	210,000	210,000
-Uraga Works	b	16,800	16,800
Oshima Shipbuilding Co., Ltd.	d	80,000	80,000
Sanoyas Hishino Meisho Corporation	d	80,000	80,000
Hitachi Zosen Corporation			
-Maizuru Works	d	43,000	40,400
-Ariake Works	d	161,000	161,000
	d	53,000	70,000
Naikai Zosen Corporation			
	b	19,800	25,000
	b	7,400	-
Hitachi Zosen Mukaijima Marine Co., Ltd.	b	5,600	5,600
Namura Shipbuilding Co., Ltd.	d	97,000	97,000
Kawasaki Heavy Industries, Ltd.			
-Kobe Works	d	25,000	25,000
-Sakaide Works	d	67,000	67,000
	d	170,000	170,000

Mitsui Engineering & Shipbuilding Co., Ltd.			
-Chiba Works	d	213,000	161,000
	d	-	22,000
-Tamano Works	b	61,000	44,000
Shikoku Dockyard Co., Ltd.	b	12,000	17,000
Minaminippon Shipbuilding Co., Ltd.	b	26,000	30,000
Shin-Kurushima Dockyard Co., Ltd.			
-Onishi Factory	d	22,800	22,800
	d	62,760	62,760
-Hiroshima Factory	b	13,000	13,000
	b	6,400	6,400
-Hashihama Factory	b	6,900	6,900
Shin Kochi Jyuko Co., Ltd.	b	5,999	5,999
Kanasashi Co., Ltd.			
-Toyohashi Works	d	30,000	39,000
-Shimizu Works	b	5,999	-
Fukuoka Shipbuilding Co., Ltd.	b	5,999	9,900
NKK CORPORATION			
-Tsurumi Works	b	5,900	5,900
-Tsu Works	d	235,000	173,000
	d	-	21,000
Tsuneishi Shipbuilding Co., Ltd.			
	b	43,000	41,000
	b	14,900	17,000
	d	60,900	59,000
Hashihama Shipbuilding Co., Ltd.	d	91,000	91,000
Tachibana Shipbuilding & Engineering Co., Ltd.	b	6,500	6,500
Onomichi Dockyard Co., Ltd.	b	46,500	55,000
Saiki Heavy Industries Co., Ltd.	b	14,900	15,000
Kanda Shipbuilding Co., Ltd.	b	20,000	20,000
Kurinoura Dockyard Co., Ltd.	b	8,200	9,600
Miyoshi Shipbuilding Co., Ltd.	b	5,998	5,999
Sasebo Heavy Industries Co., Ltd.	d	225,000	225,000
The Hakodate Dock Co., Ltd.	b	25,500	25,500
Evergreen Shipyard Corporation	b	7,900	11,000
Honda Shipbuilding Co., Ltd.	b	9,200	9,200
Yamanishi Corporation	b	9,000	9,000
Usuki Ship Yard Co., Ltd.	b	8,400	8,400
Hakata Shipbuilding Co., Ltd.	b	5,999	8,400
Kitanihon Shipbuilding Co., Ltd.	b	5,999	7,900
Watanabe Shipbuilding Co., Ltd.	b	-	7,300
Asagawa Shipbuilding Co., Ltd.	b	7,100	7,100
Miura Shipyard Co., Ltd.	b	7,100	7,100
Higaki Shipbuilding Co., Ltd.	b	5,999	6,800
Kyokuyo Shipyard Corporation	d	6,500	6,500
Kanrei Shipbuilding Co., Ltd.	b	5,999	5,999
Murakami Hide Shipbuilding Co., Ltd.	b	5,200	5,200
Kegoya Dockyard Co., Ltd.	b	5,000	5,000

KOREA

**LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5 000 GT AND OVER**

Shipyard	Facility	max. size of ships in gt	
		1997	1998
Hyundai Heavy Industries Co., Ltd.	B.D No.1	200,000	200,000
	B.D No.2	350,000	350,000
	B.D No.3	500,000	500,000
	B.D No.4	150,000	150,000
	B.D No.5	100,000	100,000
	B.D No.8	150,000	150,000
	B.D No.9	150,000	150,000
Daewoo Heavy Industries Ltd.	B.D No.1	500,000	500,000
	B.D No.2	150,000	150,000
Samsung Heavy Industries Co., Ltd.	B.D No.1	50,000	50,000
	B.D No.2	150,000	150,000
	B.D No.3	500,000	500,000
Hyundai Mipo Dockyard Co., Ltd.	B.D No.3	150,000	150,000
	B.D No.4	110,000	110,000
Halla Engineering & Heavy Industries Ltd.	B.D No.1	500,000	500,000
	B.D No.2	200,000	200,000
Hanjin Heavy Industries Co. Ltd. Youngdo Shipyard	B.D No.2	40,000	40,000
	B.D No.3	80,000	80,000
	B.D No.4	80,000	80,000
	B.B No.1	10,000	10,000
	B.B No.1	20,000	20,000
Ulsan Shipyard	B.B No.1	20,000	20,000
Daedong Shipbuilding Co., Ltd.	B.B No.1	120,000	120,000
Daesun Shipbuilding & Engineering Co., Ltd.	B.B No.1	2,000	2,000
	B.B No.2	2,000	2,000
	B.B No.3	10,000	10,000
Korea Tacoma Marine Industries Ltd.	B.B No.1	5,000	5,000
	B.B No.2	5,000	5,000
Shina Shipbuilding Co., Ltd	B.B No.4	4,000	4,000
	B.B No.5	4,000	4,000

NOTE:

1. As of the end of 1998
2. Member Companies of the KSA
3. B.D: Building Dock, B.B: Building Berth

TURKEY

LIST OF COMPANIES AND SHIPYARDS ABLE TO BUILD MERCHANT SHIPS OF
5 000 GT AND OVER

Shipyards	1997		1998	
	Dock/berth (m)	max. size of ships in gt	Dock/berth (m)	max. size of ships in gt
Pendik	300 x 70 202 x 38	95,000	300 x 70 202 x 38	95,000
Camialti	140 x 24 92 x 16	10,500	140 x 24 92 x 16	10,500
Anadolu	60 58	5,000 5,000	60 58	5,000 5,000
Çindemir	60	5,000	50	5,000
Çeksan	100	10,000	100	10,000
Çelik Tekne	150	10,000	140	10,000
Çeliktrans	120	10,000	120	10,000
Dearsan	100	10,000	100	10,000
Deniz Endüstrisi	195 165	15,000 15,000	195 165	15,000 15,000
Dentas	-	-	50	5,000
Desan	130	10,000	165	15,000
Doitel	130	10,000	130	10,000
Gemak	233 210 60	15,000 15,000 5,000	233 210 60	15,000 15,000 5,000
Gemsan	50	5,000	50	5,000
Gemtis	105	10,000	105	10,000
Gemyat	95 40	5,000 5,000	95	5,000
Gisan	70	5,000	70	5,000
Hidro dinamik	100	10,000	100	10,000
PKM	55 45	5,000 5,000	200 25 30	5,000 5,000 10,000
Rota	100	10,000	100	10,000
Sedef	2 x 200	15,000	200	15,000
Selah	100 45	10,000 5,000	120 50	10,000 5,000
Sahinçelik	100	10,000	100	10,000
Torgern	185	15,000	185	15,000
Torlak	120	10,000	140	10,000

Tuzla Gemi	100	10,000	100	10,000
	30	5,000	30	5,000
Türkter	125	10,000	125	10,000
	80	5,000	80	5,000
	50	5,000	50	5,000
Yardımcı	100	10,000	100	10,000
Yıldırım	-	-	90	5,000
			55	5,000
Yıldız	32	5,000	30	5,000
	20	5,000	20	5,000