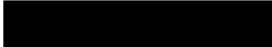


3 November 1966

MEMORANDUM FOR: Director of National Estimates


ATTENTION :  25X1A

SUBJECT : Submission of Tables by the NIPP Ad Hoc Naval Working Group for Section III of NIPP-67

1. Submitted herewith are NIPP Tables IIID 1 and 2, IIID 5 and 6, IIID 12 and 14, and IIID 21. As noted for Section I, the arbitrary division of ships into first and second line categories has been dropped. For surface ships a reserve category has been added that is used when there is firm evidence that a ship has undergone some form of preservation, remained inactive/unmanned for an extensive period of time, or has been berthed in an "inactive" harbor, port or backwater area.

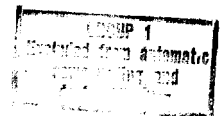
2. Your attention is called to a change in the NSA position on a reservation to the submarine tables in NIPP-67. Although still differing with the estimates presented in NIPP-67, NSA prefers not to show a reservation because of the classification under which these tables are published.

25X1A


Chairman,
Naval Working Group

Enclosure:
As Stated

SECRET



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Approved For Release 2002/01/03 : CIA-RDP79R00978A000800030013-8

TOTAL NUMBERS BY CLASS AT MID-YEAR 1/
(Excluding Ballistic Missile Submarines)

	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>
Cruise Missile Submarines															
Nuclear ^{2/}															
E-I Class	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5
E-II Class	0	2-3	5-7	11-13	16-18	20-22	24-26	27-29	30-32	33-35	33-37	33-39	33-40	33-41	33-42
Diesel															
W-Conversion Class	10	12	13	13	13	13	13	13	12	10	8	6	5-4	5-2	5-0
J Class	0	3	5-6	7-9	9-12	11-15	13-18	13-18	13-18	13-18	13-18	13-18	13-18	13-18	13-18
Total Cruise Missile	14	22-23	28-31	36-40	43-48	49-55	55-62	58-65	60-67	61-68	59-68	57-68	56-67	56-66	56-65
Torpedo Attack Submarines															
Nuclear ^{2/}															
N-Class	6-8	9-11	12-14	14-17	16-20	16-20	16-20	16-20	16-20	16-20	16-20	16-20	16-20	16-20	16-20
New Attack Class	0	0	0	0	0	0-1	1-3	2-5	4-8	6-11	8-15	11-20	14-25	17-30	20-35
Diesel															
F-Class	22	33	44	50	56	60-62	64-68	68-74	70-78	70-80	70-80	70-80	70-80	70-80	70-80
Z-Class	19	19	19	19	19	19	19	19	15	15	15	15	15	10	10
R-Class	20	20	20	20	19	15	15	15	15	15	10	10	10	10	10
W-Class	175	174	172	169	167	165	160	155	150	145	135	125	115	105	95
Q-Class	30	30	30	30	15	15	15	15	15	10	10	10	10	10	5
M-Class ^{3/}	48	48	21	21	7	0	0	0	0	0	0	0	0	0	0
Total Torpedo Attack	320-322	333-335	318-320	323-326	299-303	290-297	290-300	290-303	285-301	277-296	264-285	257-280	250-275	238-265	226-251
Grand Total	<u>334-336</u>	<u>355-358</u>	<u>346-351</u>	<u>359-366</u>	<u>342-351</u>	<u>339-352</u>	<u>345-362</u>	<u>348-368</u>	<u>345-368</u>	<u>338-364</u>	<u>323-353</u>	<u>314-348</u>	<u>306-342</u>	<u>294-331</u>	<u>282-320</u>

^{1/} The previous distinction between Soviet first and second line submarines has been dropped. The overall reduction in diesel powered attack submarines in the later years of this table reflects an attrition resulting from transfers and retirements.

^{2/} See Table IC 2 for the derivation of the number of nuclear submarines in operational units.

^{3/} M-class submarines are being dropped due to a lack of sightings of operational units.

Approved For Release 2002/01/03 : CIA-RDP79R00978A000800030013-8

NIPP-67
TABLE IIID 2

Approved For Release 2002/01/03 : CIA-RDP79R00978A000800030013-8

SECRET

SUBMARINES
DEPLOYMENT IN FLEETS BY CLASS AT MID-YEAR
(Excluding Ballistic Missile Submarines)

	1967				1972				1976			
	Northern Fleet	Baltic Fleet	Black Sea Fleet	Pacific Fleet	Northern Fleet	Baltic Fleet	Black Sea Fleet	Pacific Fleet	Northern Fleet	Baltic Fleet	Black Sea Fleet	Pacific Fleet
<u>Cruise Missile Submarines</u>												
Nuclear												
E-I Class	0	0	0	5	0	0	0	5	0	0	0	5
E-II Class	11-13	0	0	9	21-24	0	0	12-13	21-27	0	0	12-15
Diesel												
W-Conversion	6	3	1	3	3	2	1	2	2-0	1-0	-	2-0
J-Class	9-13	0	0	2	10-14	0	0	3-4	10-14	0	0	3-4
Total Cruise Missile	26-32	3	1	19	34-41	2	1	22-24	33-41	1-0	0	22-24
<u>Torpedo Attack Submarines</u>												
Nuclear												
H-Class	14-16	0	0	2-4	11-13	0	0	5-7	10-12	0	0	6-8
New Attack Class	0-1	0	0	0	6-10	0	0	2-5	14-24	0	0	6-11
Diesel												
F Class	40-42	4	0	16	48-54	0	0	22-26	48-54	0	0	22-26
Z Class	8	5	0	6	7	3	0	5	5	2	0	3
R Class	11	1	3	0	10	0	0	0	10	0	0	0
W Class	47	46	26	46	35	40	25	35	20	35	20	20
Q Class	0	12	3	0	0	7	3	0	0	3	2	0
Total Torpedo Attack	120-125	68	32	70-72	117-129	50	28	69-78	107-125	40	22	57-68
Grand Total Subs	<u>146-157</u>	<u>71</u>	<u>33</u>	<u>89-91</u>	<u>151-170</u>	<u>52</u>	<u>29</u>	<u>91-102</u>	<u>140-166</u>	<u>41-40</u>	<u>22</u>	<u>79-92</u>

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NIPP-67
TABLE IIID 5

Approved For Release 2002/01/03 : CIA-RDP79R00978A000800030013-8
SOVIET GENERAL PURPOSE NAVAL SHIPS
SURFACE SHIPS
TOTAL NUMBERS BY TYPE AT MID-YEAR

	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Operational Ships 1/															
Cruisers 2/	13	12	12	12	13	12	11	9	7	6	5	4	4	4	4
Helicopter Carriers	0	0	0	0	0	1	2	2	2-3	2-3	2-4	2-4	2-4	2-4	2-4
Missile Destroyers															
SSM Ships	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
SSM/SAM Ships	1	2	2	4	4	4	4	4	4	4	4	4	4	4	4
SAM Ships 3/	1	2	3	6	9	11-12	14-15	17-18	20-22	23-26	26-30	29-34	32-38	35-42	38-46
Other Destroyers	88	85	78	70	60	56	52	48	44	36	28	20	20	20	20
Escort Types	77	81	83	84	85	88	89	90	91	92	93	94	95	96	97
Submarine Chasers 4/	380	370	370	360	360	370	375	345	310	280	260	240	220	200	180
Guided Missile Patrol Boats	94	109	127	145	155	161	169	177	185	185	185	185	185	185	185
Other Patrol Craft 4/	400-450	400-450	450-500	450-500	450-500	450-500	450-500	450-500	450-500	425-475	400-450	375-425	350-400	325-375	300-350
Mine Craft 4/	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400
Amphibious Ships															
Landing Ships	80-90	80-90	85-95	90-100	95-105	105-115	110-120	120-130	130-140	140-150	145-155	155-165	165-175	170-180	175-185
Landing Craft	400-500	400-500	400-500	400-500	400-500	400-500	400-500	400-500	400-500	400-500	400-500	400-500	400-500	400-500	400-500
Reserve Ships 1/															
Cruisers	8	8	8	6	5	6	6	7	8	8	8	8	8	8	8
Destroyers	0	0	5	8	18	21	24	22	22	16	17	18	15	12	8
Escort Types	0	0	0	3	10	13	16	19	19	15	15	15	15	15	15

1/ The previous distinction between Soviet First and Second Line Ships has been dropped. This table shows the total number of ships that are estimated to be operational in any given year. A ship is carried in the reserve category when there is firm evidence of the following:
a. It has been cocooned; fitted with dehumidification gear, or undergone other terms of preservation.
b. It has been inactive/unmanned for an extensive period of time, or has been berthed in an "inactive" harbor, port or backwater area.

A ship in a reserve does not include one that is in for overhaul or modernization.

2/ Includes one Sverdlov-Class cruiser fitted with SAM armament.

3/ It is assumed for the purpose of this estimate that the new probable DLG is a SAM equipped unit.

4/ Includes units assigned to the KGB.

NIPP-67
TABLE IIID 6

Approved For Release 2002/01/03 : CIA-RDP79R00978A000800030013-8
SOVIET GENERAL PURPOSE NAVAL SHIPS
SURFACE SHIPS
DEPLOYMENT IN FLEETS BY TYPE AT MID-YEAR

	Northern Fleet			Baltic Fleet			Black Sea Fleet ^{5/}			Pacific Fleet		
	1967	1972	1976	1967	1972	1976	1967	1972	1976	1967	1972	1976
<u>Surface Forces (Active) ^{1/}</u>												
Cruisers ^{2/}	2	1	1	3	1	1	5	2	1	2	1	1
Helicopter Carrier	0	2-3	2-3	0	0	0	1	0-1	0	0	0	0-1
Missile Destroyers												
SSM Ships	3	3	3	2	2	2	4	4	4	3	3	3
SAM/SSM Ships	2	2	2	0	0	0	0	0	0	2	2	2
SAM Ships ^{3/}	2	8-10	12-15	3-4	4	6-8	5	8	9-10	1	6-8	11-13
Destroyers	10	5	5	9	6	4	16	7	5	21	10	6
Escort Types	23	25	26	26	24	24	20	22	23	19	22	24
Submarine Chasers ^{4/}	55	40	30	120	80	50	110	70	50	85	70	50
Guided Missile Patrol Boats	14	20	20	62	56	56	14	20	20	71	89	89
Other Patrol Craft ^{4/}	80	70	60	160	140	130	150	130	120	110	90	75
Mine Craft ^{4/}	76	76	76	166	166	166	80	80	80	70	70	70
Amphibious Units												
Landing Ships	10	10	10	55	74	78	24	46	68	18	22	27
Landing Craft	100	100	100	120	120	120	160	150	150	110	130	130
<u>Surface Forces (Reserve) ^{1/}</u>												
Cruisers	1	2	2	1	2	2	1	2	2	3	2	2
Destroyers	8	6	2	7	4	2	2	3	2	4	4	2
Escort Types	3	4	4	4	5	5	2	3	3	4	3	3

^{1/} The previous distinction between Soviet First and Second Line ships has been dropped. This table shows the total number of ships that are estimated to be operational in any given year. A ship is carried in the reserve category when there is firm evidence of the following:

- a. It has been cocooned, fitted with dehumidification gear, or undergone other forms of preservation.
- b. It has been inactive/unmanned for an extensive period of time, or has been berthed in an "inactive" harbor, port or backwater area.

A ship in reserve does not include one that is in for overhaul or modernization.

^{2/} Includes one Sverdlov-class cruiser fitted with SAM armament.

^{3/} It is assumed for the purpose of this estimate that the new probable DLG is a SAM equipped unit.

^{4/} Includes units assigned to the KGB.

^{5/} Includes units in the Caspian Sea Flotilla.

Approved For Release 2002/01/03 : CIA-RDP79R00978A000800030013-8
 SOVIET COASTAL DEFENSE MISSILE FORCES
 TOTAL NUMBERS AND DEPLOYMENT BY FLEET AREA AT MID-YEAR

NIPP-67
 TABLE IIID 12

	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	
<u>SSC-2b (SAMLET) Battalions 1/2/</u>																
Total Numbers	25-50	25-50	25-50	25-50	25-50	20-40	15-30	10-20	5-10	0	0	0	0	0	0	
Deployment:						5-8						0				
Northern Fleet						3-4						0				
Baltic Fleet						7-11						0				
Black Sea Fleet						5-17						0				
Pacific Fleet																
<u>SSC-1b (SHADDOCK-Type) Battalions 3/</u>																
Total Numbers	0	0	0	1-1	2-2	4-5	7-8	10-12	11-15	11-15	11-15	11-15	11-15	11-15	11-15	
Deployment:						1-2						3-4				
Northern Fleet						1-1						2-2				
Baltic Fleet						1-1						2-5				
Black Sea Fleet						1-1						4-4				
Pacific Fleet																
<u>All Coastal Defense Forces</u>																
Total Number of Battalions	25-50	25-50	25-50	26-51	27-52	24-45	22-38	20-32	16-25	11-15	11-15	11-15	11-15	11-15	11-15	

1/ The current estimate of the SSC-2b (SAMLET) force is based on the number of sites so far detected plus an allowance for sites not yet detected but which are believed to be necessary for balanced defense. We believe SSC-1b cruise missiles are now being deployed with the coastal defense forces and will replace the SSC-2b (SAMLET) system by 1971. These missiles are believed to be deployed near major ports and potential landing beaches in all fleet areas.

2/ 4 missiles per launcher, 2 launchers per battalion. Numbers of launchers and missile inventory is given in Table IIID 8.

3/ 1 missile per launcher, 4 launchers per battalion. Numbers of launchers and missile inventory is given in Table IIID 8.

SOVIET GENERAL PURPOSE AND GUIDED MISSILE LAUNCHERS AND INVENTORIES BY SYSTEM AT MID-YEAR
(Excluding Ballistic Missiles)

NOTE: Columns A & B are defined for each missile type in the footnote.

Type	1962		1963		1964		1965		1966		1967		1968		1969	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Surface Ship Missiles 1/																
SS-N-1	136	102	196	147	196	147	196	147	196	147	196	147	196	147	196	147
SS-N-2	268	201	332	249	398	298	450	338	490	368	514	385	546	410	578	434
SS-N-3 Type			16	12	32	24	32	24	64	48	64	48	64	48	64	48
SA-N-1 (High)	160	120	280	210	360	270	680	510	920	690	1,160	870	1,400	1,050	1,640	1,230
(Low)	160	120	280	210	360	270	680	510	920	690	1,100	825	1,320	990	1,560	1,170
SA-2	-	-	30	22	30	22	30	22	30	22	30	22	30	22	30	22
Submarine Missiles 2/																
SS-N-3 Type (High)	51	51	89	89	149	149	209	209	261	261	305	305	349	349	373	373
(Low)	51	51	81	81	129	129	157	157	233	233	273	273	313	313	337	337
Coastal Defense Missiles 3/																
SSC-2b (High)	100	300	100	300	100	300	100	300	100	300	80	240	60	180	40	120
(Low)	50	150	50	150	50	150	50	150	50	150	40	120	30	90	20	60
SSC-1b 4/ (High)							4	2	8	4	20	10	32	16	48	24
(Low)							4	2	8	4	16	8	28	14	40	20
Total (High)	100	300	100	300	100	300	104	302	108	304	100	250	92	196	88	144
(Low)	50	150	50	150	50	150	54	152	58	154	56	128	58	104	60	80

- 1/ The number of missiles in column A equals one shipfill for each guided missile surface ship. The number in column B, 75 percent of column A, represents missiles held for repair, maintenance, and replenishment for additional missions.
- 2/ The number of missiles in column A equals one shipfill for each guided missile submarine. The number in column B, 100 percent of column A, represents missiles held for repair, maintenance, and replenishment for additional missions.
- 3/ The number in column A equals the number of SSC-2b missile launchers and also equals one missile per launcher. There are two launchers per battalion. The number of missiles for maintenance, repair, and replenishment (column B) is six per battalion.
- 4/ The number of column A equals the number of SSC-1b missile launchers and also equals one missile per launcher. There are four launchers per battalion. The number in column B, 50 percent of column A, or two missiles per battalion, represents missiles held for repair, maintenance, and replenishment.

Approved For Release 2002/01/03 : CIA-RDP79R00978A000800030013-8
 SOVIET GENERAL PURPOSE NAVAL FORCES
 GUIDED MISSILE LAUNCHERS AND INVENTORIES BY SYSTEM AT MID-YEAR
 (Excluding Ballistic Missiles)

NIPP-67
 TABLE IIID 14 (Continued)

NOTE: Columns A & B are defined for each missile type in the footnote.

Type	1970		1971		1972		1973		1974		1975		1976	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
<u>Surface Ship Missiles 1/</u>														
SS-N-1	196	147	196	147	196	147	196	147	196	147	196	147	196	147
SS-N-2	610	457	610	457	610	457	610	457	610	457	610	457	610	457
SS-N-3 Type	64	48	64	48	64	48	64	48	64	48	64	48	64	48
SA-N-1														
(High)	2,040	1,530	2,280	1,710	2,600	1,950	2,920	2,190	3,240	2,430	3,560	2,670	3,880	2,910
(Low)	1,800	1,350	2,040	1,530	2,280	1,710	2,520	1,905	2,760	2,070	2,920	2,190	3,240	2,430
SA-2	30	22	30	22	30	22	30	22	30	22	30	22	30	22
<u>Submarine Missiles 2/</u>														
SS-N-3 Type														
(High)	396	396	416	416	428	428	438	438	442	442	450	450	458	458
(Low)	360	360	380	380	376	376	370	370	362	362	354	354	346	346
<u>Coastal Defense Missiles</u>														
SSC-2b														
(High)	20	60												
(Low)	10	30												
SSC-1b 4/														
(High)	60	30	60	30	60	30	60	30	60	30	60	30	60	30
(Low)	44	22	44	22	44	22	44	22	44	22	44	22	44	22
Total														
(High)	80	90	60	30	60	30	60	30	60	30	60	30	60	30
(Low)	54	52	44	22	44	22	44	22	44	22	44	22	44	22

NIPP-67
TABLE IIID 21ESTIMATED MAXIMUM SOVIET PORT-TO-PORT
SEALIFT CAPABILITY 1/

(Number of Ground Force Divisions at Full Strength)

Fleet Area	Mid-1967		Mid-1972		Mid-1976	
	Motorized Rifle Divisions	Tank Divisions	Motorized Rifle Divisions	Tank Divisions	Motorized Rifle Divisions	Tank Divisions
Northern	3.0	2.5	4.7	4.0	6.0	5.0
Baltic	5.3	4.5	9.0	7.5	12.0	10.0
Black	8.0	6.5	15.0	12.5	20.0	17.5
Pacific	6.0	5.0	10.0	8.0	12.5	10.5

1/ The above calculations are based on 70% availability of the total estimated Soviet dry cargo fleet (less refrigerator ships) for each period and fleet area without reference to heavy lift capability. However, it is estimated that the Soviet merchant fleet in mid-1967 will include about 250 ships with heavy lift capabilities ranging from 50 to 60 tons. While it is expected that the number of ships with heavy lift capabilities will increase to a considerable extent by mid-1976, it is not possible at this time to estimate the number of units in this category beyond 1967.

SECRET

TRANSMITTAL SLIP		DATE
TO: SMT/ONE		ATTN: [REDACTED]
ROOM NO.	BUILDING	
REMARKS:		
FROM: <i>HSF</i> Act. Chief, F/NS		
ROOM NO.	BUILDING	
3G01	Hqtrs [REDACTED]	

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FORM NO. 241
1 FEB 55

REPLACES FORM 36-8
WHICH MAY BE USED.

GPO : 1957-O-439445 (47)