

NATO UNITS

SIXTH FLEET

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SOVIET UNITS

7 US 4 1 12 36 CV 6	22 US 4 12 3 6 9 CG 5	9 US 4 9 5 2 9 CG 4	9 US 4 9 7 2 9 CG 4	20 US 4 20 9 4 28 DD 4	8 US 4 10 11 4 24 DD 4	0 US 5 30 13 10 15 SN 6	12 Br 4 12 41 2 10 CG 3	★	18 Br 10 20 83 3 1 Ltg
11 US 4 1 13 36 CV 6	12 US 4 12 4 3 9 CG 4	9 US 4 9 5 2 9 CG 4	8 US 4 10 8 4 28 DD 4	14 US 4 14 10 4 28 DD 4	8 US 4 10 12 4 12 DD 4	0 US 5 30 14 10 15 SN 6	16 Br 4 8 42 6 20 DD 3	0 Br 16 20 84 1 Nim	0 Br 16 20 85 1 Nim

BRITISH

3 US 7 20 43 2 A7 C	3 US 7 20 44 2 A7 C	3 US 7 20 45 2 A7 C	3 US 7 20 46 2 A7 C	3 US 11 20 47 2 A8 C	3 US 11 20 48 2 A6 C	0 US 13 12 49 1 S3 C	0 US 13 12 50 1 S3 C	35 US 8 25 51 5 F14 C	35 US 8 25 52 5 F14 C
20 US 10 20 53 4 F4 C	20 US 10 20 54 4 F4 C	20 US 10 20 55 4 F4 C	20 US 10 20 56 4 F4 C	20 US 10 20 57 4 F4 C	20 US 10 20 58 4 F4 C	20 US 10 20 59 4 F4 C	20 US 10 20 60 4 F4 C	20 US 10 20 61 4 F4 C	0 US 21 20 62 4 P3

UNITED STATES

9 It 4 5 15 3 14 CH 3	9 It 4 5 16 2 12 CG 3	14 It 4 14 17 4 15 DD 3	0 It 2 12 22 8 16 SS 4	0 It 2 12 23 6 12 SS 3	16 It 12 15 66 4 F104	16 It 12 15 67 4 F104	16 It 12 15 68 4 F104	16 It 12 15 69 4 F104	16 It 12 15 70 4 F104
8 It 4 10 18 4 14 DD 2	10 It 3 6 19 6 36 DE 2	6 It 3 6 20 6 24 DE 2	6 It 3 6 21 6 18 DE 2	16 It 12 15 71 4 F104	16 It 12 15 72 4 F104	0 It 21 20 73 4 P3	0 It 3 5 74 3 H3	0 It 3 5 75 3 H3	0 It 14 20 76 1 H16

SOVIETS

20 Is 10 20 90 4 F4 C	20 Is 10 20 91 4 F4 C	20 Is 10 20 92 4 F4 C	20 Is 10 20 93 4 F4 C	20 Is 10 20 94 4 F4 C	20 Is 10 20 95 4 F4 C	★	0 It 14 15 77 2 H16	0 It 8 15 78 1 1150	0 It 8 15 79 1 1150
2 Is 5 20 96 2 A4	2 Is 5 20 97 2 A4	2 Is 5 20 98 2 A4	2 Is 5 20 99 2 A4	2 Is 5 20 100 2 A4	2 Is 5 20 101 2 A4	★	0 It 8 15 80 1 1150	2 It 8 18 81 2 G91Y	2 It 8 18 82 2 G91Y

ITALIANS

8 Gr 4 8 29 4 12 DD 2	8 Gr 4 8 30 4 12 DD 2	16 Gr 12 15 85 4 F104	★	★	3 Fr 7 20 63 2 A7 C	0 Fr 2 15 39 8 15 SS 4	4 Fr 5 1 33 5 24 CV 5	12 Fr 4 9 34 4 12 CG 5	12 Fr 4 7 35 4 18 DD 3
6 Gr 2 6 31 6 15 DE 1	0 Gr 2 15 32 7 15 SS 4	0 Gr 14 20 87 1 H16	★	★	1 Fr 5 20 64 2 E4M C	1 Fr 5 20 65 2 E4M C	0 Fr 2 12 40 6 12 SS 3	6 Fr 4 15 36 4 20 DD 3	6 Fr 3 6 37 6 16 DE 2

GREEKS

FRENCH

6 M 4 1 7 35 CV 4	11 M 4 28 3 3 8 CG 3	5 M 4 2 5 1 3 CG 2	12 M 4 5 7 4 8 DD 2	6 M 4 6 6 2 12 DE 2	0 M 2 12 11 4 8 SS 4	0 M 5 24 13 10 15 SN 5	0 M 5 38 15 10 14 SG 5	0 M 3 30 17 8 12 SG 5	0 M 3 30 19 8 12 SG 5
6 M 4 4 2 5 21 CH 4	6 M 4 28 4 2 7 CG 3	5 M 4 2 6 1 3 CG 2	6 M 4 6 8 4 6 DD 2	0 M 2 14 1E 5 12 SS 5	0 M 2 12 12 4 8 SS 4	0 M 5 24 14 10 15 SN 5	0 M 5 38 16 10 14 SG 5	0 M 3 30 18 8 12 SG 5	0 M 3 30 20 8 12 SG 5

6 B 4 1 21 7 35 CV 4	11 B 4 28 23 3 8 CG 3	5 B 4 2 25 1 3 CG 2	5 B 4 2 27 1 3 CG 2	2 B 4 8 29 7 0 CA 2	6 B 4 20 31 5 8 DD 2	8 B 3 6 33 6 10 DE 3	6 B 4 6 35 6 10 DE 2	0 B 2 12 37 4 8 SS 4	0 B 2 12 39 4 8 SS 4
6 B 4 4 22 5 21 CH 4	4 B 4 4 24 2 2 CG 2	5 B 4 2 26 1 3 CG 2	2 B 4 2 28 4 8 CA 2	2 B 4 8 30 7 0 CA 2	6 B 4 6 32 4 6 DD 2	6 B 4 6 34 6 12 DE 2	0 B 2 14 36 5 12 SS 5	0 B 2 12 38 4 8 SS 4	GAME TURN

8 So 7 12 41 3 0 C	8 So 7 12 42 3 0 C	8 So 7 12 43 3 0 C	8 So 7 12 44 3 0 C	1 So 14 41 4E 8 1 T16	0 So 14 40 46 8 0 T16	0 So 14 40 47 8 0 T16	0 So 14 40 48 8 0 T16	2 So 9 50 49 12 0 T22	0 So 10 15 50 1 14 B12
0 So 10 15 51 1 B12	20 So 14 10 52 4 M25	20 So 14 10 53 4 M25	20 So 14 10 54 4 M25	20 So 14 10 55 4 M25	20 So 14 10 56 4 M25	22 So 11 10 57 3 M23	22 So 11 10 58 3 M23	22 So 11 10 59 3 M23	22 So 11 10 60 3 M23

22 So 11 10 61 3 M23	22 So 11 10 62 3 M23	22 So 11 10 63 3 M23	22 So 11 10 64 3 M23	22 So 11 10 65 3 M23	22 So 11 10 66 3 M23	22 So 11 10 67 3 M23	22 So 11 10 68 3 M23	22 So 11 10 69 3 M23	22 So 11 10 70 3 M23
22 So 11 10 71 3 M23	15 So 6 5 72 4 M21	15 So 6 5 73 4 M21	15 So 6 5 74 4 M21	15 So 6 5 75 4 M21	15 So 6 5 76 4 M21	15 So 6 5 77 4 M21	15 So 6 5 78 4 M21	15 So 6 5 79 4 M21	15 So 6 5 80 4 M21

15 So 6 5 81 4 M21	1 So 11 15 82 2 Y28	1 So 11 15 83 2 Y28	1 So 11 15 84 2 Y28	1 So 11 15 85 2 Y28	1 So 11 15 86 2 Y28	1 So 11 15 87 2 Y28	1 So 11 15 88 2 Y28	1 So 11 15 89 2 Y28	0 So 16 12 90 1 I28
6 Tu 2 6 25 6 12 DE 1	0 Tu 4 10 24 4 16 SS 2	0 Tu 2 10 26 6 8 SS 3	0 Tu 2 10 27 6 8 SS 3	1 Tu 2 11 28 6 12 SS 4	16 Tu 12 15 88 4 F104	0 Tu 5 12 89 2 S2	★	★	0 So 16 12 91 1 I28

TURKS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

START	1	2	NIGHT 3	4	5	NIGHT 6	7	8	NIGHT 9	10	11	NIGHT 12	13	14	NIGHT 15	16	17	NIGHT 18	19	20	NIGHT 21	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

SHIP MANIFEST

COMMENT: Unfortunately, it was impossible to print the names of the naval units directly on the counters. In this section we supply the class, type and designations for every naval unit in the game. For each ship, the type is given first in parentheses, followed by the ship class in bold type, followed by the ship's name, followed by the identity code number in the corresponding naval unit counter (also in parentheses). Note: The names of Soviet submarines are not available and have, therefore, been omitted. In an instance where a unit counter represents more than one ship, the name of the lead ship of the division has been used.

SOVIET NAVAL UNITS
 (CV) KIEV - Minsk (1), Kiev (2); (Ch) MOSKVA - Moskva (2), Leningrad (2); (CG) KARA - Nikolayev (3), Balaklava (2); (CG) KRESTA II - Krestad (4); (CG) KYNDA - Varyag (2); (CG)

KASHIN - Kavkaz (5), Krim (6), Slavy (25), Provory (26), Stroggy (27); (CA) SVERDLOV - Sverdlov (28), Katusov (29), Suvorov (30); (DD) SAMKOTLIN - Bravyy (7); (DD) KILDEN - Boloy (31); (DD) SKORYY - Solny (8), Statny (32); (DE) RICA - Riga (13); (DE) MIKRA - Petya (9), Mikra (34); (DE) KOLA - Kola (35); (SS) ROMEO - (10), (36); (SS) WHISKEY - (11), (12), (37), (38), (39); (SSN) VICTOR - (13), (14); (SSGN) CHARLIE - (15), (16); (SSGN) ECHO II - (17), (18), (19), (20).

NATO NAVAL UNITS
 United States
 (CV) FORESTAL - Saratoga (1); (CV) KITTY HAWK - America (2); (CG) CLEVELAND - Little Rock (3); (CG) BAINBRIDGE - Bainbridge (4); (CG) CALIFORNIA - California (5); (CG) BELL KNAP - Biddle (6); (CG) COONTZ - Mahan (7); (DD) FORREST SHERMAN - Edson (8); (DD) FORREST SHERMAN CONVERTED - John Paul Jones (9); (DD) ADAMS - Sampson (10);

(DD) GEARING - Rush (11); (DD) SUMNER - Ault (12); (SSN) STURGEON - Hawkbill (13), Seadevil (14).

Italy
 (Ch) VITTORIO VENETO - Vittorio Veneto (15); (CG) Andrea DORIA - Andrea Doria (16); (DD) AUDACE - Audace (17); (DD) IMPRAVIDO - Impravido (18); (DE) ALPINO - Alpino (19); (DE) CENTAURO - Centauro (20); (DE) CRISTOFARO - Vistini (21); (SS) TOTI - Pandalo (22); (SS) Ex-USN BALO - Morsino (23).

Turkey
 (SS) Ex-USN GEARING - Adetateje (24); (DE) Ex-USN FLETCHER - Izmit (25); (SS) Ex-USN BALO - Gar (26); Sakarya (27); (SS) Ex-USN GUPPY II A - Prevez (28).

Greece
 (DD) Ex-USN GEARING "FRAM II" - Kanaris (29); (DD) Ex-USN FLETCHER - Velos (30); (DE) Ex-USN ALPINE - Polemistis (31); (SS) TYPE 209 - Proteus (32).

France
 (CV) CLEMENCEAU - Foch (33); (CG) COLBERT - Colbert (34); (DD) SUFFREN - Suffren (35); (DD) TOURVILLES - De Grasse (36); (DE) RIVIERE - De La Grea (37); (DE) LE NORMAND - Le Normand (38); (SS) DAPHNE - Venus (39); (SS) ARETHUSE - Amazone (40).

Great Britain
 (CG) COUNTY - Hampshire (41); (DD) LEANDER - Coopatra (42).

DESIGN CREDITS
 Game System Design: James F. Dunnigan
 Physical Systems Design and Graphics: Redmond A. Simonsen
 Game Development: Frank Davis, Edward Curran, Howard Barasch
 Research: James F. Dunnigan
 Playtesting: Edward Curran, Howard Barasch, Frederick Georgan, Jerry Paulsen, Joseph Seliga
 Production: Manfred F. Milkuhn, Linda Mosca, Larry Catalano

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[8.8] COMBAT RESULTS TABLE

Combat Differential [Attacking Strength minus Defending Strength]

ECM	0	1	2	3	4	5	10	20	30	40	ECM or more
0	1	1	1	1-2	1-3	1-3	1-4	1-5	1-6	1-6	0
1	•	1	1	1	1-2	1-3	1-3	1-4	1-4	1-5	1
2	•	•	1	1	1	1-2	1-2	1-3	1-3	1-4	2
3	•	•	•	1	1	1	1-2	1-2	1-3	1-3	3
4	•	•	•	•	1	1	1	1-2	1-2	1-2	4
5	•	•	•	•	•	1	1	1	1	1-2	5
6	•	•	•	•	•	•	1	1	1	1-2	6

[10.5] TERRAIN EFFECTS CHART

Type of Terrain	Movement Point (MP) Cost To Enter & Effects on Movement	Effects on Zones of Control and Combat
High Seas Hex	1 MP	No Effect.
Restricted Water Hex	2 MP (Naval units) 1 MP (Air units)	Defense Strength of Naval units is doubled.
Coastal Hex	1 MP. No unit may enter Yugoslavian or Albanian Coastal hexes.	All Zones of Control extend through hexides partially covered with water.
Land Hex	1 MP. Naval units are prohibited from entering an all Land hex or moving through an all land hexide.	Naval units' Zones of Control do not extend through all land hexides.
Prohibited Hex	All units are prohibited from entering.	Zones of Control do not extend into Prohibited hexes.
10/3 Soviet Defended Hex	NATO units may not enter until intrinsic Defense Strength is destroyed.	Intrinsic Defense Strength can only be attacked when hex is vacant.
30/3 NATO Defended Hex	Soviet units may not enter until intrinsic Defense Strength is destroyed.	Intrinsic Defense Strength can only be attacked when hex is vacant.
Soviet Airbase	(see 9.0)	
NATO Airbase	(see 9.0)	

[8.8] COMBAT RESULTS TABLE

Combat Differential [Attacking Strength minus Defending Strength]

ECM	0	1	2	3	4	5	10	20	30	40	ECM or more
0	1	1	1	1-2	1-3	1-3	1-4	1-5	1-6	1-6	0
1	•	1	1	1	1-2	1-3	1-3	1-4	1-4	1-5	1
2	•	•	1	1	1	1-2	1-2	1-3	1-3	1-4	2
3	•	•	•	1	1	1	1-2	1-2	1-3	1-3	3
4	•	•	•	•	1	1	1	1-2	1-2	1-2	4
5	•	•	•	•	•	1	1	1	1	1-2	5
6	•	•	•	•	•	•	1	1	1	1-2	6