# Trends in Force Levels and Disposition of Major Navies Since World War II 

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This report describes the force structures and dispositions of major navies since Wortd War II. Included are computer-generated 40-year order-of-battle tables for NATO and ANZUS countries, Japan, and the Soviet Union. Geographic charts are also provided that show fleet dispositions in five-year snapshots and during specified crises. Line graphs illustrate trends in both force structures and dispositions over time. These products draw on a 700,000 -entry database created by a joint Naval Intelligence-CNA research effort. The database will be dated as of July 1 of ever', year with current information and whenever pertinent crises warrent inclusion.


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1. The Center for Naval Analyses was tasked to identify and document significant trends in the force structures and fleet disposition of NATO, ANZUS, and Soviet navies since the end of World War II. Working with the Office of Naval Intelligence, CNA created a computerized database with annual records of orders of battle, five year records of fleet dispositions, and a periodic data on crisis responses for the forty year postwar period.
2. Results of the CNA effort are contained in enclosure (1). The study identified and documented the precipitous decline in Western seapower since the end of World War II and a steady increase in Soviet "blue water" naval power since the mid-l960s. At the direction of this office, CNA is continuing to add current and historical information to the database to ensure the ready availability of such information to a variety of Navy and other government offices.


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#### Abstract

This report describes the force structures and dispositions of major navies since World War II. Included are computergenerated 40 -year order-of-batlle tables for NATO and ANZUS countries, Japan, and the Soviet Union. Geographic charts are also provided that show fleet dispositions in five-year snapshots and during specified crises. Line graphs illustrate trends in both force structures and dispositions over time. These products draw on a 700,000 -entry database created by a joint Naval IntelligenceCNA research effort. The database will be updated as of July 1 of every year with current information and whenever pertinent crises warrant inclusion.


## PREFACE

This report is the product of an intensive research and programming effort. In addition to the principal authors listed on the cover, the following individuals made significant contributions to this research.

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## INTRODUCTION

This report describes the force structures and dispositions of major navies since World War II. Included are computer-generated 40-year order-ofbatue tables for NATO and ANZUS countries, Japan, and the Soviet Union. Geographic charts are also provided that show fleet dispositions in five-year snapshots and during specified crises. Line graphs illustrate trends in both force structures and dispositions over time. These products draw on a $700,000-$ entry database created by a joint Naval IntelligenceCNA research effort. The database will be updated as of July 1 of every year with current information and whenever pertinent crises warrant inclusion.

This document is the product of an intensive research effort conducted over a three-month period by personnel of the Navy Operational Intelligence Center (NAVOPINTCEN), Naval Intelligence Support Center (NISC), and Center for Naval Analyses (CNA). NAVOPINTCEN and NISC provided CNA with data on the Soviet order of battle ( OOB ) and on both Soviet and third-nation out-of-area deployments. CNA developed a computer program to manipulate the data and researched U.S. and third-nation orders of batule and deployments.

Information on Soviet and U.S. forces and deployments is as complete and accurate as intelligence sources and the Navy's own records allow. Order of batule information on third-nation navies comes from some incomplete intelligence data supplemented by open sources such as Jane's Fighting Ships, Weyer's Warships, and Combat Fleets of the World (Flottes de Combat). Sources for all data are listed in appendix A.

Ships were entered into the database using the format depicted in table 1. The naval power codes illustrated correspond to officially sanctioned country codes. Ship type codes represent an effort to aggregate literally dozens of often confusing and frequently changing ship designations into meaningful groupings. Future data entries will also include standard type designations such as FFG, LST, etc. All ships were coded as active (A) if there was no evidence to the contrary. Those ships coded as reserve $(\mathbf{R})$ are inactive, with no active crews assigned. Under these guidelines, the U.S. Navy's Naval Reserve Force
(NRF) ships are coded as active, even though the majority of their crews are members of the selected naval reserve. Coast Guard and KGB Border Guard ships are coded with a C. The whereabouts of all ships were coded using standard ocean area codes from the Navy's movement reporting system and refined using additional ocean subarea codes or country codes. The crisis codes correspond to eight historical events for which force disposition data were collected. All codes employed are listed in appendix $B$.

Each entry was coded with a confidence level of $\mathbf{A}$, B, or $\mathbf{C}$ for both numbers of ships in an order of battle and their location. A confidence level of $\mathbf{A}$ indicates that the researcher believed the total OOB numbers were accurate within 2 percent, or that the ship could be placed with certainty in a particular subarea of the world's oceans; $\mathbf{B}$ indicates that total numbers are accurate within $\pm 10$ percent, or that the ship could be placed in a particular ocean; C indicates that OOB numbers are extrapolated or cannot be verified by a second source, or that the ship's location is based on precedent rather than hard data.

The quality of the available data varied from year to year and country to country. U.S. data from 1976 to the present reside in CNA databases and are therefore quite consistent. The quality of earlier data pertaining to inactive ships was inconsistent. Hard data were also lacking on the active/inactive/coast guard status of most Soviet noncombatants over the entire period and on combatants in the earlier period.

As the computer program is currently configured, the data can be displayed in tabular form for OOB compilations, on line graphs, or on geographical charts to determine force dispositions. Appendix C provides an annual order of battle in tabular format for total and active naval ships of each country researched. Appendix D uses the same tabular format to display orders of battle by year, with comparisons across each ship type for all countries researched. Other tabular displays can be accessed in the computer, for example, OOB can be accessed by ocean area code or by any or all of the eight crises that were singled out for examination. Appendix E provides force disposition charts for OOBs and worldwide deployments at
five-year intervals (nine charts). Appendix F provides similar charts for worldwide force dispositions during the specified crisis periods (eight charts) and local force dispositions in the crisis areas (seven charts). The computer program can also prepare charts for deployments in the Atlantic, in the Pacific, or in the Indian Ocean basins for any of the 17 five-year
increments and crises. Appendix G provides linegraphs of order-of-battle and deployment trends over the 40-year period.

The next section, Significant Findings, summarizes the trends identified in the data over the period covered by this study.

Table I. Data format


## SIGNIFICANT FINDINGS

The database products yield no major surprises in they confirm trends that are intuitively obvious to most serious students of post-World War II naval history. In fact, the tables, charts, and graphs included in the appendices of this report not only confirm, but dramatically illustrate, the worldwide decline of Western seapower relative to first a growing and then a consistent Soviet worldwide presence.

## ORDER OF BATTLE

This decline in Western seapower was obscured through the first two postwar decades because of the large mothballed fleets maintained by the principal Western naval powers, the United States and the United Kingdom. Naval references of the period, most notably Jane's Fighting Ships, described literally hundreds of laid-up major combatants, including both carriers and amphibious ships, as though they were active units in their respective fleets. In reality, these units were unsuited for immediate service and often required major overhauls to be returned to active duty. On occasion, whole ship classes were dropped from the naval register by either the U.S. or the U.K. without commercial naval references taking note of the fact for years. Soviet perceptions of the naval threat to their homeland were driven by these inaccuracies, resulting in a Soviet Navy constructed to counter the "overwhelming," though mostly mothballed, naval power-projection forces of the West.

The British and American reserve fleets were not liabilities, however. They served as an inexpensive source of replacement ships and parts for virtually all the Westem navies of the postwar period. NATO and British Commonwealth navies, in particular, fed upon their own and their allies' World War II reserve fleets through the 1950s and well into the 1960s. Aircraft carriers provide a good example: Argentina, Australia, Brazil, Canada, France, India, and the Netherlands have all operated carriers laid down by Britain during World War II, while both France and Spain have had American World War II carriers in their postwar fleets. The United States mobilized the remnants of its reserve fleet in the 1960s to serve in Vietnam, infiating the total order of bat $\because$ and
out-of-area ship deploymenis, but not modernizing what remained essentially a World War II fleet.

When the readily adaptable, inexpensive stocks of World War II hulls were depleted or reached the end of their useful lives in the 1960s, many Western navies suddenly shrank. The navies of Greece and Turkey are continuing to shrink even today because the 45-year-old World War II destroyers of American origin upon which they rely are now long past their reasonable life expectancies and cannot be replaced for fiscal reasons. Only France, West Germany, Japan, and Italy-the first an occupied nation during the war and the others defeated Axis powers-have maintained constant naval shipbuilding programs since the early pūsiwar wars, primarily because they had no residual wartime fleets with which to enter the postwar world (or had only a minimal fleet, in the case of France).

Some generic ship types have fared worse in the postwar period than others. In the West, mine warfare ships, aircraft carriers, amphibious warfare vessels, and surface combatants under 200 tons have had the greatest decline in numbers since the end of World War II. Mine warfare ships in the U.S. Navy have plummeted from a 1946 figure of 106 active and 114 inactive to 21 total in 1986, of which three were active and 18 were in the active Naval Reserve Force. The four major Western navies (the U.S., U.K., Netherlands, and France) at the close of the war together had over 700 active mine warfare ships; by 1986, the total was under 100. U.S. aircraft carriers of all types numbered 106 in 1946; by 1985, they had dropped to 13 active ships plus four in the inactive, mothballed fleet ( 1981 estimates to reactivate Oriskany (CV 34), the mothballed carrier in the best material condition, called for a $\$ 364$ million overhaul and upgrade-not a trivial effort). Non-U.S. NATO small surface combatants in 1986 amounted to only 2 percent of their respective navies' 1946 numbers, posting the largest decline in any ship type in the postwar period.

The same generalizations do not apply to the Soviet Navy. Since the end of World War II, the Soviets have maintained a relatively constant fleet size in mine warfare ships, averaging some 400 vessels. The
number in 1986 was 393. The Soviets had no aircraft carriers until 1976. In 1986 they had three, with a fourth fituing out and two more under construction. In virtually every category of ship, the Soviets have either held their immediate postwar order of battle to no more than a 10 -percent drop (in the case of amphibious ships and surface combatants under 200 tons) or increased their numbers, sometimes dramatically (for example, major surface combatants rose from 62 in 1946 to 279 in 1986). The Soviets both started and ended World War II with a larger submarine fleet than any of the other allies. By 1986, they had increased their submarine order of baule by 84 percent over its 1946 total, resulting in a 1986 submarine fleet 55 percent larger than the combined submarine fleets of all the NATO and ANZUS allies.

Soviet total order-of-battle numbers increased dramatically from the end of World War II well into the 1960 s , reflecting both the initial acquisition of ships as war booty (both German and Italian) and an emphasis on the construction of large numbers of coastal submarines. The latter were acquired to counter the massive numbers of ships the Soviets believed were in the Western fleets. By the time the decline in Western naval power became apparent in the late 1950s, the Soviet attack submarine fleet had peaked at over 450 units, and coastal surface forces (i.e., surface combatants under 200 tons) numbered well over 1,000 .

This defensive nature of Soviet naval forces began changing under the command of Sergei Gorshkov, who became Commander-in-Chief of the Soviet Navy early in 1956. Gorshkov created an offensive nuclear force within his navy in the form of ballistic missile submarines, the first of which is reported in the database in 1956. By 1960, 25 diesel-powered ballistic missile submarines made up the Soviet Navy's offensive power, and the remainder of the navy assumed a dual orientation: defending the homeland and the seaward flanks of the ground forces, plus supporting the operations of the ballistic missile submarines. The Soviet Navy has not abandoned this dual orientation to this day, although the relative mission priorities dictated within this scheme have varied over time.

Admiral Gorshkov's change of his navy's course coincides in time with the accelerating decline of Western naval power of the late 1950s and early

1960s. It also coincides with more accurate reporting in contemporary reference works of the state of Western naval power. This is hardly convincing evidence that there existed a definite cause/effect relationship between the decline of the West and the reorientation of the East to an offensive naval doctrine. However, the Soviets' perception of the diminished offensive power of the West certainly did not hinder Gorshkov's efforts to redirect naval resources from a purely defensive posture near the homeland to a more offensive posture near the shores of the Soviet Union's potential enemies.

The changes in the nature of the Soviet Navy wrought by Admiral Gorshkov can best be illustrated by a comparison in the types of ships extant at the ten-year point in his term (1966), when his building program first started having a major impact, and those extant at the end of his term in 1986, six months after he stepped away from the helm. Major surface combatants increased in numbers from 1966 to 1986 by 45 percent. Underway replenishment ships increased by 206 percent. Amphibious ships declined by 67 percent. Mine warfare ships remained relatively constant, at +2 percent, while attack submarines declined by 6 percent. Small combatants, those from 200 to 1,000 tons and those under 200 tons (that is, those useful only in coastal waters or closed seas close to the homeland), declined by 14 percent and 58 percent, respectively. Ballistic missile submarines increased by 108 percent, and special-purpose submarines increased by 371 percent.

In stark contrast, all U.S. Navy numbers over the same period were negative, except for a 3-percent rise in ballistic missile submarines. Carriers dropped by 33 percent. Major surface combatants (over 1,000 tons), patrol combatants ( 200 to 1,000 tons), and patrol craft (under 200 tons) fell by 64 percent, 23 percent, and 15 percent, respectively. Amphibious ships declined by 69 percent and mine warfare ships by 87 percent. Attack submarines fell slightly, by 3 percent. Underway replenishment ships also declined, by 12 percent.

Over the 1966 to 1986 period, the major NATO allies posted similar figures, all negative except for ballistic missile submarines. NATO navy aggregated orders of battle declined by the following percentages: carriers, 44 percent: major surface combatants, 29 percent; patrol combatants, 29 percent; patrol craft.

72 percent; amphibious ships, 11 percent; mine warfare ships, 67 percent; attack submarines, 21 percent; and underway replenishment ships, 24 percent. Ballistic missile submarines went from none in 1966 to eight in 1986, four each for France and Britain.

## FLEET DISPOSITIONS

In many cases, the loss of colonies in the postwar period precipitated not just declining national orders of battle, but a concomitant withdrawal from areas of the globe previously patrolled by many NATO navies. Portugal and the Netherlands both maintained significant naval presences in the Pacific and Indian Oceans when they had colonies and therefore specific national interests in those regions. In the case of the Netherlands, when the colonies went away, the Royal Netherlands Navy followed soon after. For Portugal, the order was essentially reversed, with the Portuguese Navy's decline preceding the loss of most Portuguese colonies. Then, 100 , as the sun set on the British Empire, it did likewise on the Royal Navy's worldwide presence, culminating in the 1968 British decision to withdraw the Royal Navy from its stations east of Suez.

Two Western navies have maintained a continuous worldwide presence since the 1950 s , regardless of their declining naval orders of battle: the United States and France. These two are similarly the only Western nations to have maintained into the 1980s a naval power-projection capability in the form of fixed-wing conventional takeoff and landing (CTOL) aircraft carriers. Both navies also maintain a nuclear strike capability on board their carriers. As the charts in appendix $E$ demonstrate, the American naval presence since the 1950s has in fact expanded to additional regions of the globe vacated by other Westem allies in spite of the declining numbers in the American naval order of battle; the Indian Ocean is a prime example of such a region. The French, on the other hand, have maintained their naval presence in areas where they once had colonies, continuing to exercise an interest in the external security of these now-independent states. Once again, the Indian Ocean is a prime example of such an area.

The Soviet Navy, Voyenno-morskoy Flot (VMF), is a relatively recent player in exercising worldwide presence. It first appeared in force outside its home waters at the time of the 1964 Cyprus crisis, then doubled
in size during the 1967 Six-Day War, when 29 Soviet ships appeared in the Mediterranean. The force consisted of one amphibious ship, two mine warfare ships, ten surface combatants, nine submarines, and seven auxiliaries. The Soviet Navy has not left the Mediterranean since, maintaining a routine presence in that sea, averaging some 35 ships of all types.

The Soviet presence has grown worldwide since the Six-Day War: Standing squadrons have apparently been established not just in the Mediterranean, but also in the Indian Ocean/Red Sea, Northwest Pacific, Norwegian Sea, and the South China Sea. The Soviets filled a vacuum left by the withdrawal of American naval forces from the South China Sea at the end of the Vietnam War: from a presence of no ships in July 1976, the Soviets built to a presence of 16 ships, including 8 combatants, in July 1981, and then to 19 ships, of which only 6 were combatants, in July 1986. The heavy ratio of auxiliary ships to combatants in 1986 illustrates the infrastructure the Soviets are keeping in place at the former American base at Cam Ranh Bay that can support surges to the area by additional combatants.

Perhaps crisis responses provide the best indicators over time of the relative strength of naval powers (measured in terms of both capability and will). The charts in appendix $F$ illustrate the naval responses worldwide and locally to various crisis situations: the 1948/49 Berlin crisis; the 1954 battle at Dien Bien Phu; the 1962 Cuban missile crisis; the 1967 Six-Day War, the 1972 Linebacker operations off Vietnam; the 1973 Yom Kippur War; the 1980 Iran hostage rescue attempt, and the 1986 terrorism retaliation strikes against Libya. Obvious from the charts are the steady decline in the Western multilateral response to crises, devolving to a principally American response, and the equally steady Soviet naval presence at crises around the globe (discounting the abrupt start in 1967), including areas not before considered within their regions of principal concern. The Soviet crisis-response effort peaked early, soon after they began employing the VMF as an instrument of crisis management, when, in response to the 1973 Yom Kippur War, 95 Soviet ships appeared in the Mediterranean, triple the number routinely deployed there. Responses since that event have been more conservative in size but even more far-reaching in terms of global presence.

There are indications that the sudden relative decline of Western naval presence and crisis response vis-a-vis the Soviets may have been arrested, though it does not yet appear to have been reversed. The 1970s were the nadir of Western global presence, as evidenced by table 2, which illustrates the decline in British naval presence worldwide over eight of that decade's ten years. Yet, in the late 1970s, the Royal Navy instituted the litulepublicized "Armilla Patrol" in the Persian Gulf and Gulf of Oman to protect British shipping interests. With the exception of the Falklands War period, that patrol has been made up of at least two surface combatants and often a support ship. By mid-1987, its composition had increased to three major surface combatants and a support ship. With the 1987 Persian Gulf crisis and the United States spurring them on, other NATO allies are also committing naval forces to the Persian Gulf, creating the largest multilateral naval response to a crisis since the Korean War.

Table 2. Declining Royal Navy out-of-area surface combatant dispositions

| 1972 | Area | 1980 |
| ---: | :--- | :---: |
|  |  |  |
| 2 | Caribbean Sea | 0 |
| 1 | Norwegian Sea | 0 |
| 4 | South Atlantic Ocean | 0 |
| 44 | Mediterranean Sea (Excluding |  |
| Gibraltar) |  | 0 |
| 1 | Persian Gulf | 2 |
| 0 | Gulf of Oman | 2 |
| 12 | Indian Ocean | 0 |
| 9 | South China Sea/Malaccan Straits | 0 |
| 0 | Western Pacific Ocean | 5 |
|  |  | - |
| 73 | Totals | 9 |

At the same time that this Western decline seems to have been arrested, the Soviets have reduced
somewhat their out-of-area deployments, with only 26 ships reported in the Mediterranean at the height of the 1986 carrier strikes against Libya rather than the standard 35 to 40 . Similar Soviet decreases worldwide were noted for 1986 over earlier charts, suggesting a deliberate decrease in Soviet operating tempo out of area.

## CONCLUSION

The data display a dramatic shift in the global balance of naval power over the 40 years since the end of World War II. The first 12 postwar years witnessed many numerically strong allied navies responding to Communist-precipitated and/or colonial crises around the Eurasian/African littoral, while the short-range Soviet Navy lay waiting in its home waters for the massed mothball fleets of the West to strike. The next 15 years were a period of transition in which, one-by-one, the powerful European navies of the past let their orders of battle and worldwide presence decline as the Soviets built up their blue water fleet and began flexing their muscles in crises. Only France and the United States maintained a global presence in the face of the Soviet buildup, with the former reducing slightly its deployed numbers and the latter being forced to spread its diminishing forces more widely to fill vacuums left by its departing allies. The final period was one of continued Western decline in the face of a consistent Soviet buildup through the early 1980s, at which point the American numerical decline was arrested, the British Falklands experience caused them to rethink their naval posture, and the Soviets appeared to temper their global naval presence in the face of increasing American naval power and more aggressive posture.

Notwithstanding recent Soviet deployment pattems, the aggregated 40-year trend of maritime power in the postwar period could fairly be described as maritime expansionism for the Soviets, increasing maritime isolationism for most of America's allies, and a consistent U.S. global presence.
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## APPENDIX A

 SOURCES
## APPENDIX A

## SOURCES

Analysts examined virtually every commercial and government source available in the Washington, D.C., area in preparing this database. For U.S. data, the principal difficulty lay in determining which historical data source was accurate. Soviet data presented a different problem, inasmuch as early post-World War II reporting was grossly inaccurate, differing wildly from year to year. Data on allied navies were simply unavailable in a readily adaptable form. Ultimately, by expending thousands of person-hours of research, analysts were able to overcome most of these difficulties and produce the information contained in this report and on file in CNA's computer system.

Sources for U.S. data are many and varied and are displayed in table A-1. The sources for Soviet order-of-battle data are the order-of-battle files of the Defense Intelligence Agency (DIA), researched by personnel from the Naval Intelligence Support Center and the Navy Operational Intelligence Center (NAVOPINTCEN). Soviet fleet disposition data were sanitized and given to CNA by NAVOPINTCEN. Allied navies' order-of-batule data are derived from a combination of available intelligence documents (principally from the Office of Naval Intelligence and later from DIA's Strength and Disposition of Foreign Navies, available for 1956, 1960, 1967, 1968, and 1969); Naval attache reports stored at the Federal Records Center in Suitland, Maryland; Jane's Fighting Ships for each year, and Weyer's Warships of the World for 1951, 1961, 1966, 1971, 1976, and 1981. Disposition data for allied navies came from the navies themselves (Portugal, Federal Republic of Germany), Naval attache reports, and a variety of open-source publications (not the least of which were newspaper accounts). By making use of foreign naval records, analysts are continuing to improve the accuracy by making use of the database. CNA will publish updates annually, beginning in December 1988.
Table A-1. Sources of USN onder of battle by year


## SOURCES FOR USN ORDER OF BATTLE

1. CNA Ship Employment History Database. Data provided to CNA by OP-643. Original source: Navy WMCCS Software Standardization (NWSS) Data Base.
2. USN Unit Location List (alternate titles: Ships Location List). Archived in the USN Operational Archives, Naval Historical Center, Navy Yard, Washington, D.C. (dates used indicated on matrix).
3. Naval Vessel Register, NAVSHIPS 18-1-4, 25 July 1946; Naval Vessel Register, NAVSHIPS 18-1-6, 1 January 1947, 1950; Naval Vessel Register, NAVSHIPS 18-1-17, 1 July 1952; Ships Data Book/Naval Vessel Register, Summary of Vessel and Craft Tonnages, NAVSHIPS 250-574-8, 1 January 1959, 1961-1967; Naval Vessel Register/Ships Data Book, NAVSHIPS 250-574-8, 1 January 1968, 1970, 1973-1987 (located in the Ships Histories Branch, Naval Historical Center and in the NAVSEA Library, Crystal City, Virginia.
4. Military Sealift Command, Ship Register, MSC P504.
5. List of active and inactive ships by class and calendar year, 1946-1987, prepared by Fred Cassaday, Jr., NAVSEA Shipbuilding Support Office, Philadelphia Naval Shipyard.
6. "Active and Reserve Fleet Force Levels (1908-1973)," prepared by Vice Admiral Hooper, contained in Memo 090/308, 31 May 1978, Ships Histories Branch, Naval Historical Center, Navy Yard, Washington, D.C.
7. Compilation of USN Fleet Levels, 1946-1971, J. C. Reilly, Jr., Ships Histories Branch, Naval Historical Center, Navy Yard, Washington, D.C.
8. Historical Data-Active Fleet Levels, 1950-1971, H. W. Foote, OPNAV (OP 302E), 26 January 1971. From files at the Ships Histories Branch, Naval Historical Center, Navy Yard, Washington, D.C.
9. "Incommission and Inservice Status of U. S. Naval Vessels, 30 June 193830 June 1949," Office of the Navy Comptroller, NCB-2; from files at the Ships Histories Branch, Naval Historical Center, Navy Yard, Washington, D.C.
10. Figures from the Annual Posture Statement of the Secretary of the Navy, Fiscal year 1976
11. Jane's Fighting Ships (yearbook)
12. James T. Fahey, The Ships and Aircraft of the U. S. Fleet, Victory Edition, 1945; Sixth Edition, 1950; Seventh Edition, 1958; Eighth Edition, 1965; and John S. Rowe and Samuel L. Morison, The Ships and Aircraft of the U. S. Fleet, USNI Press, Annapolis, Md., 1971; Tenth Edition, 1976 (edition used indicated by copyright year).

APPENDIX B
CODES

## APPENDIX B

## CODES

Table B-1. Naval power codes

| AS | Australia |
| :--- | :--- |
| BE | Belgium |
| CA | Canada |
| DA | Denmark |
| FR | France |
| GE | Federal Republic of Germany |
| GR | Greece |
| IC | Iceland |
| IT | Haly |
| JA | Japan |
| NL | Netherlands |
| NO | Norway |
| NZ | New Zealand |
| PO | Portugal |
| SP | Spain |
| TU | Turkey |
| UK | United Kingdom |
| UR | Soviet Union |
| US | United States |
|  |  |

Table B-2. Ship types

| Code | Description | Examples |
| :---: | :---: | :---: |
| SB | Ballistic missile submarines | SSB, SSBN |
| SS | Attack submarines | SS, SSN, SSG, SSGN, SSC |
| SX | Auxiliary submarines | SSU, SSUN, SSA, SST, AGSS, APSS |
| CV | Fixed-wing aircraft carriers | CVN, CV, CVL |
| SC | Major surface combatants (ships over 1,000 tons fullload displacement) | BB, CA, CL, <br> DD, DDG, FF, FFG |
| PC | Patrol combatants (seagoing ships of 200-1,000 tons full-load displacement | FFL, PG, PGG |
| PF | Patrol craft | All surface combatants under 200 tons |
| MW | Mine warfare ships (coastal and seagoing) | MM, MS, MH |
| LS | Amphibious warfare ships | LPH, LHA, LPD, LSD, LST, LSM, AKA, APA, LCC |
| AX | Underway replenishment auxiliaries | AE, AF, AFS, AO, AOE, AOR, AOG, AW |
| $A Z$ | All other auxiliaries above 200 tons | AD, AR, AS, AG, AK, AH, AOT, ATA, ATF |

Table B-3. Ocean area codes

A1 Northwest Atlantic
A3 Gulf of Mexico/Caribbean Sea
A4 South Atlantic
A5 Northeast Atlantic
A6 Mediterranean/Black Seas
A7 Red Sea/Persian Gulf
P1 Eastern Pacific, coastal waters of North America south of Alaska
P2 Mid-Pacific
P3 Pacific north of $40^{\circ} \mathrm{N}$
P4 Western Pacific
P5 Eastem Pacitic, coastal waters of Central and South America P6 Indian Ocean


Figure B-1. U.S. Navy ocean area codes

Table B-4. Ocean subarea codes

| Body of water | Subarea code | Body of subarea water | Code |
| :---: | :---: | :---: | :---: |
| Adriatic Sea | 8D | Korea Strait | 3 J |
| Aegean Sea | 8G | Labrador Sea | 1L |
| Andaman Sea | 6N | LaPerouse Strait | 3D |
| Arabian Sea | 6R | Lombok Strait | 4L |
| Arctic Ocean | 5A | Makassar Strait | 4M |
| Balearic Basin | 8 | Mediterranean Sea | 8 N |
| Baltic Sea | 7B | North Arabian Sea | 6R |
| Bay of Biscay | 1B | North Sea | 1 N |
| Black Sea | 88 | Northcentral Pacific Ocean | 3A |
| Caribbean Sea | 1X | Norwegian Sea | 5N |
| Central Baltic | 7B | Panama Canal | 1 J |
| Central Kurils | 30 | Persian Gulf | 6 P |
| Central Mediterranean | 8N | Philippine Sea | 3 P |
| Coral Sea | 4 C | Puerto Rico Operating Area | 1X |
| East China Sea | 3 E | Red Sea | 6E |
| Eastern Atlantic Ocean | 1A | Sea of Japan | 3 J |
| Eastern Pacific Ocean | 3A | Sea of Marmara | 8M |
| Eastern-Mediterranean Basin | 8 E | Sea of Okhotsk | 30 |
| English Channel | 1 E | Skagerrak | 75 |
| Flores Sea | 4F | Solomon Sea | 4S |
| Gibratar | 8S | South Atlantic Ocean | 2A |
| Great Belt | 7K | South China Sea | 3 U |
| Greenland Sea | 5G | South Pacific Ocean | 4A |
| Gulf of Aden | 6D | Strait of Hormuz | 6P |
| Gulf of Calitornia | 3L | Strait of Malacca | 6C |
| Gull of Lions | 8X | Suez Canal | 6 U |
| Gulf of Mexico | 1M | Sulu Sea | 35 |
| Gull of Oman | 6 M | Tasman Sea | 4 T |
| Gulf of Siam | 31 | Tongue of the Ocean | 1 X |
| Gulf of Suez | 6W | Tsushima Strait | 3 J |
| Gulf of Thailand | $3 T$ | Turkey Straits | 8 P |
| Hammamet Anchorage | 8W | Tyrrhenian Sea | 8 T |
| lonian Sea | 8 N | West Mediterranean Sea | 8W |
| Java Sea | 45 | Yellow Sea | $3 Y$ |
| Kattegat Strait | 7K |  |  |

Table B-5. Crisis dates

| Crisis/event | Country | Date ${ }^{\text {a }}$ |
| :---: | :---: | :---: |
| NATO formed | US | 15 Aug 1948 |
|  | All other | 1 Jul 1949 |
| Dien Bien Phu | US | 15 Apr 1954 |
|  | All other | 1 Jul 1954 |
| Cuban crisis | US | 16 Nov 1962 |
|  | UR | 24 Oct 1962 |
|  | All other | 1 Oct 1962 |
| June War | US | 7 Jun 1967 |
|  | UR | 13 Jun 1967 |
|  | UK | 6 Jun 1967 |
|  | All other | 1 Jul 1967 |
| Linebacker | US | 8 May 1972 |
|  | All other | 1 Jun 1972 |
| Yom Kippur War | US | 1 Nov 1973 |
|  | All other | 31 Oct 1973 |
| Iran hostage rescue | US | 25 Apr 1980 |
|  | All other | 28 Apr 1980 |
| Libyan strikes | All | 15 Apr 1986 |

a. Peak employment date.

APPENDIX C ORDERS OF BATTLE BY COUNTRY

$$
\begin{aligned}
& \begin{array}{l}
1953 / A C T \\
002002 \\
026026 \\
001001 \\
003003 \\
028028 \\
004004 \\
026026 \\
003003 \\
006006 \\
1961 / A C T \\
015015 \\
000000 \\
002001 \\
010007 \\
007007 \\
0060
\end{array} \\
& \begin{array}{l}
1952 / A C T \\
001001 \\
022022 \\
001001 \\
006006 \\
028028 \\
005005 \\
027027 \\
003003 \\
000000 \\
1960 / A C T \\
001001 \\
014014 \\
002002 \\
004004 \\
007007 \\
021021
\end{array} \\
& \begin{array}{l}
1951 / A C T \\
001001 \\
008008 \\
002002 \\
003003 \\
032032 \\
005005 \\
027027 \\
003003 \\
003003 \\
1959 / A C T \\
002002 \\
037037 \\
002002 \\
014014 \\
009027 \\
004
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& 1967 / A C T \\
& 000000 \\
& 000000 \\
& 002002 \\
& 000000 \\
& 006006 \\
& 003003 \\
& 016018 \\
& 001001 \\
& 1975 / A C T \\
& 002001 \\
& 014014 \\
& 001001 \\
& 008008 \\
& 003003 \\
& 000000 \\
& 017017 \\
& 011011 \\
& 004004
\end{aligned}
$$

$$
\begin{array}{lll}
1964 / A C T & 1965 / A C T & 1966 / A C T \\
001001 & 001001 & 013013 \\
037037 & 028028 & 002002 \\
002002 & 002002 & 002002 \\
000000 & 000000 & 004004 \\
006006 & 008006 & 008006 \\
003003 & 003003 & 003003 \\
013013 & 017017 & 019019 \\
000000 & 000000 & 000000 \\
1972 / A C T & 1973 / A C T & 1974 / A C T \\
001001 & 002001 & 002001 \\
009009 & 012012 & 017017 \\
001001 & 001001 & 001001 \\
000000 & 000000 & 000000 \\
006003 & 006003 & 006003 \\
000000 & 000000 & 000000 \\
015015 & 021021 & 019019 \\
014014 & 013013 & 011011 \\
004004 & 004004 & 004004
\end{array}
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\text { SECNAV ORDER OF BATTLE REPORT } \\
\text { COUNTRY: AUSTRALIA (ContInued) }
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\begin{aligned}
& \begin{array}{l}
1953 / A C T \\
000000 \\
014014 \\
001001 \\
1961 / A C T \\
002002 \\
047047 \\
004004 \\
1969 / A C T \\
000000 \\
001001 \\
045045 \\
000000 \\
1977 / A C T \\
000000 \\
001001 \\
029029
\end{array}
\end{aligned}
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\begin{aligned}
& \text { 14Odヨy 371188 } \pm 0 \text { 83a40 AVNOヨS } \\
& \text { COUNTRY: BELGIUM } \\
& \text { 1950/ACT } \\
& 000000 \\
& 014014 \\
& 002002
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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\end{array} \\
& 002002 \\
& \text { 1974/ACT } \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{r}
200200 \\
600600 \\
000600 \\
13 V / 6761
\end{array} \\
& \text { 1957/ACT } \\
& 001001 \\
& 024024 \\
& 000000 \\
& \begin{array}{l}
\text { 1965/ACT } \\
000000
\end{array} \\
& 000000 \\
& 047047 \\
& 004004 \\
& \text { 1973/ACT } \\
& 000000 \\
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& \text { COUNTRY: BELGIUM (Continued) } \\
& \begin{array}{l}
1980 / \text { ACT } \\
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026026 \\
004004
\end{array}
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& \begin{array}{l}
1953 / A C T \\
002002 \\
002002 \\
002002 \\
047047 \\
006002 \\
013009 \\
030030 \\
1961 / A C T \\
002002 \\
004004 \\
001001 \\
010 \\
010 \\
001000 \\
019
\end{array} \\
& \begin{array}{l}
1952 / A C T \\
002002 \\
002002 \\
001001 \\
017017 \\
007007 \\
006006 \\
037037 \\
1960 / A C T \\
002002 \\
007007 \\
001001 \\
010 \\
010 \\
003000 \\
003003 \\
006009
\end{array}
\end{aligned}
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\begin{aligned}
& \text { 1959/ACT } \\
& \begin{array}{l}
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\text { N } \\
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\end{array} \\
& \begin{array}{l}
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\end{array} \\
& 001001 \\
& 010010 \\
& 003080 \\
& \begin{array}{l}
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8 \\
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\hline 0
\end{array} \\
& 041041 \\
& \begin{array}{l}
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\end{array} \\
& \text { SECNAV ORDER OF BATTLE REPORT }
\end{aligned}
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\begin{aligned}
& \text { 1965/ACT 1966/ACT } \\
& \text { 1965/ACT } \\
& 003003 \\
& 032068 \\
& 100100 \\
& 010010 \\
& 008100 \\
& 021003 \\
& 037037 \\
& 001001 \\
& \text { 1973/ACT } \\
& 005005 \\
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& \stackrel{1}{\circ} \\
& 010010 \\
& 001000 \\
& 020003
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& 029007 \\
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& 020001 \\
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\text { \% }
\end{array} \\
& 044044 \\
& \overline{8} \\
& \text { 1971/ACT } \\
& \begin{array}{l}
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\text { \& }
\end{array} \\
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\end{array} \\
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\stackrel{\circ}{8} \\
\stackrel{1}{8}
\end{array} \\
& \begin{array}{l}
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\end{array} \\
& 020001 \\
& 020020 \\
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\end{array} \\
& \text { 1962/ACT } \\
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\end{array}
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& 020001 \\
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\end{aligned}
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\begin{aligned}
& \begin{array}{l}
1985 / A C T \\
003003 \\
037009 \\
006006 \\
001001 \\
023023 \\
003003
\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
\text { SECNAV ORDER OF BATTLE REPORT } \\
\text { COUNTRY: CANADA (Continued) }
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
1953 / A C T \\
000000 \\
033033 \\
008008 \\
021021 \\
006006 \\
003003 \\
1961 / A C T \\
018018 \\
026026 \\
006006 \\
028028 \\
005005 \\
003003 \\
\hline 1969 / A C T \\
000000 \\
000000 \\
020020 \\
004004 \\
041041 \\
006006 \\
004004
\end{array} \\
& \begin{array}{l}
1952 / \text { ACT } \\
000000 \\
033033 \\
008008 \\
015015 \\
003003 \\
003003 \\
1960 / A C T \\
000000 \\
028028 \\
004004 \\
028028 \\
009009 \\
003003 \\
\hline 1968 / A C T \\
000000 \\
000000 \\
020020 \\
004004 \\
041041 \\
006006 \\
004004
\end{array}
\end{aligned}
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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT }
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
1947 / \text { ACT } \\
000000 \\
053053 \\
005005 \\
014014 \\
002002 \\
003003 \\
1955 / A C T \\
000000 \\
044044 \\
008008 \\
024024 \\
006006 \\
003003 \\
1963 / A C T
\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
1977 / A C T \\
000000 \\
000000 \\
013013 \\
003003 \\
050050 \\
007007 \\
006006 \\
1985 / A C T \\
000000 \\
012012 \\
023023 \\
054054 \\
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004004
\end{array} \\
& \begin{array}{l}
1976 / A C T \\
000000 \\
008008 \\
013013 \\
005005 \\
057057 \\
007007 \\
006006 \\
1984 / A C T \\
000000 \\
013013 \\
013013 \\
053053 \\
010010 \\
004004
\end{array} \\
& \begin{array}{l}
1975 / A C I \\
000000 \\
000000 \\
013013 \\
005005 \\
048048 \\
006006 \\
006006 \\
1983 / A C T \\
000000 \\
013013 \\
014014 \\
050050 \\
010010 \\
005005
\end{array} \\
& \text { secmav order of battle report } \\
& \text { COUNTRY: DENMARK (Continued) } \\
& \begin{array}{l}
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\end{array} \\
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\end{array} \\
& \begin{array}{l}
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& \begin{array}{l}
5 \\
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\end{array} \\
& \begin{array}{l}
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\end{array} \\
& 900900 \\
& \text { 1982/ACT } \\
& \begin{array}{l}
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\end{array} \\
& 014014 \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
1973 / A C T \\
000000 \\
000000 \\
019019
\end{array} \\
& 004004 \\
& 190190 \\
& 900900 \\
& 900900 \\
& \text { 1981/ACT } \\
& \begin{array}{l}
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\end{array} \\
& 015015 \\
& 016016 \\
& 053053 \\
& \begin{array}{l}
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\end{array} \\
& 900900 \\
& \text { 1972/ACT } \\
& 000000 \\
& 019019 \\
& t 00 t 00 \\
& 190190 \\
& 006006 \\
& 900900 \\
& \text { 1980/ACT } \\
& 000000 \\
& 015015 \\
& 015015 \\
& 053053 \\
& \begin{array}{l}
8 \\
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\end{array} \\
& 900900 \\
& \begin{array}{l}
1971 / A C T \\
001001 \\
008008 \\
019019 \\
004004 \\
058058 \\
006006 \\
006006 \\
1979 / A C T \\
006006 \\
015015 \\
013013 \\
054054 \\
007007 \\
006006
\end{array} \\
& \text { 10V/0<61 } \\
& 000600 \\
& \begin{array}{r}
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\end{array} \\
& \text { 1986/ACT } \\
& \begin{array}{l}
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\end{array} \\
& 012012 \\
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& 010810 \\
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\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
1953 / A C T \\
000000 \\
000000 \\
002002 \\
019019 \\
075075 \\
052052 \\
060060 \\
047047 \\
013013 \\
004004 \\
1961 / A C T \\
010010 \\
011011 \\
002001 \\
010
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{l}
1951 / A C T \\
018018 \\
037037 \\
002002 \\
016016 \\
038038 \\
053048 \\
075075 \\
045045 \\
013013 \\
004004 \\
1959 / A C T \\
014014 \\
012012 \\
003003 \\
009009 \\
116116 \\
025025 \\
036036 \\
062062 \\
016
\end{array}
\end{aligned}
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\begin{aligned}
& \text { COUNTRY: FRANCE } \\
& \text { 1950/ACT } \\
& 014014 \\
& 042042 \\
& 001001 \\
& 000000 \\
& 028028 \\
& \begin{array}{l}
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& 067067 \\
& 048048 \\
& 010010 \\
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\end{array} \\
& \text { 1958/ACT } \\
& 014014 \\
& 011011 \\
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\end{array} \\
& \begin{array}{l}
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\end{array} \\
& \text { 1949/ACT } \\
& 014014 \\
& 037037 \\
& 001001 \\
& 000000 \\
& 029029 \\
& 051051 \\
& 067067 \\
& 048048 \\
& 008008 \\
& 100 t 00 \\
& \text { 1957/ACT } \\
& \begin{array}{l}
013013 \\
011011
\end{array} \\
& 003003 \\
& \begin{array}{l}
0_{8} \\
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\end{array} \\
& 093093 \\
& 044044 \\
& 021021 \\
& 045045 \\
& \\
& \begin{array}{l}
\text { N } \\
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& \begin{array}{l}
1948 / A C T \\
000000 \\
000000 \\
001001 \\
000000 \\
030030 \\
051051 \\
068068 \\
048048 \\
011011 \\
004004 \\
1956 / A C T \\
010010 \\
020020 \\
003003 \\
027027 \\
103096 \\
049048 \\
021019 \\
044043 \\
017017 \\
003003
\end{array}
\end{aligned}
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\begin{aligned}
& \text { 1946/ACT } \\
& \begin{array}{l}
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\text { N } \\
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\end{array} \\
& \begin{array}{l}
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& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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\hline 8 \\
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\end{array} \\
& \text { 1954/ACT } \\
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& \begin{array}{l}
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\end{array}
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& \text { メN }
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$$

SECNAV ORDER OF BATTLE REPORT
COUNTRY: FRANCE (Continued)

$$
\begin{aligned}
& 1969 / A C T \\
& 011011 \\
& 022022 \\
& 003003 \\
& 008008 \\
& 090090 \\
& 015015 \\
& 008008 \\
& 049049 \\
& 018018 \\
& 001001 \\
& 1977 / A C T \\
& 003003 \\
& 028028 \\
& 002002 \\
& 008008 \\
& 044044 \\
& 026026 \\
& 016016 \\
& 004004 \\
& 049049 \\
& 021021 \\
& 001001
\end{aligned}
$$

$$
\begin{array}{ll}
1965 / A C T & 1966 / A C T \\
014014 & 013013 \\
016016 & 073073 \\
003003 & 003003 \\
011011 & 011011 \\
101101 & 101 \quad 101 \\
015015 & 015015 \\
016016 & 014014 \\
040040 & 047047 \\
018018 & 017017 \\
000006 & 000000 \\
1973 / A C T & 1974 / A C T \\
009009 & 000000 \\
020020 & 000000 \\
002002 & 002002 \\
008008 & 008008 \\
090090 & 062062 \\
015015 & 026026 \\
005005 & 008008 \\
001001 & 003003 \\
049049 & 048048 \\
019019 & 019019 \\
001001 & 001001
\end{array}
$$

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$$
\begin{aligned}
& \begin{array}{l}
1985 / \mathrm{ACT} \\
006006 \\
006006 \\
002002 \\
012012 \\
029029 \\
008008 \\
004004 \\
005005 \\
044044 \\
017017 \\
001001
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \text { secnav order of battle report } \\
& \text { COUNTRY: FRANCE (Continued) }
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{cc} 
& 1986 / \text { ACt } \\
\text { AZ } & 006006 \\
\text { CV } & 002002
\end{array} \\
& \text { LS } 009009
\end{aligned}
$$

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\begin{aligned}
& \text { PC } 012012 \\
& \text { ร00 } 500 \\
& 004004 \\
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\end{aligned}
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\begin{aligned}
& \begin{array}{l}
1953 / A C T \\
018018 \\
008006 \\
013013 \\
1961 / A C T \\
009009 \\
035035 \\
009009 \\
072072 \\
006006 \\
085085 \\
016016 \\
003003
\end{array} \\
& \begin{array}{l}
1952 / \text { ACT } \\
000000 \\
000000 \\
000000 \\
1960 / A C T \\
006006 \\
024024 \\
006006 \\
063063 \\
007007 \\
081081 \\
013013 \\
006006
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
1950 / \mathrm{ACT} \\
000000 \\
000000 \\
000000 \\
1958 / A C T \\
002002 \\
014014 \\
000000 \\
064064 \\
006003 \\
071071 \\
011010 \\
003003
\end{array} \\
& \text { 1949/ACT } \\
& 000000 \\
& 000000 \\
& 000000 \\
& \begin{array}{l}
\text { 1957/ACT } \\
000000
\end{array} \\
& 005005 \\
& 000000 \\
& 064064 \\
& 003001 \\
& 055050 \\
& 011010 \\
& \begin{array}{l}
\text { \% } \\
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\text { 8. }
\end{array} \\
& \text { 1948/ACT } \\
& 000000 \\
& \begin{array}{l}
\text { ®. } \\
\stackrel{8}{8} \\
\hline
\end{array} \\
& 000 \text { 000 } \\
& \text { 1956/ACT } \\
& 000000 \\
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& 031031 \\
& 002002 \\
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& \begin{array}{l}
\text { ® } \\
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\hline 8
\end{array} \\
& \text { 1947/ACi } \\
& 000000 \\
& \begin{array}{l}
\text { \& } \\
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& 000000 \\
& \text { 1955/ACT } \\
& 000000 \\
& 013013 \\
& 000000
\end{aligned}
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& 002002 \\
& 032032 \\
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& \begin{array}{l}
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\end{array} \\
& \text { 1946/ACT } \\
& \begin{array}{l}
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& \text { 1954/ACT } \\
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\end{array} \\
& 007007 \\
& \begin{array}{l}
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 1967／ACT 016016

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016016
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061061 061061
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$\stackrel{\infty}{\sigma}$ 1964／ACT 풍
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1976/ACT

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\begin{aligned}
& 1969 / A C T \\
& 015015 \\
& 055055 \\
& 004004 \\
& 077077 \\
& 005005 \\
& 040040 \\
& 034034 \\
& 012012 \\
& 000000 \\
& 1977 / A C T \\
& 018018 \\
& 089088 \\
& 000000 \\
& 060060 \\
& 053045 \\
& 008008 \\
& 018018 \\
& 024024
\end{aligned}
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\end{tabular} 016016 077077 1972／ACT

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\begin{aligned}
& 1968 / A C T \\
& 009009 \\
& 026026 \\
& 004004 \\
& 074074 \\
& 005005 \\
& 047047 \\
& 022022 \\
& 012012 \\
& 000000
\end{aligned}
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$\vdots$ 0
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& \begin{array}{l}
1953 / A C T \\
000000 \\
000000 \\
010010 \\
014014 \\
007007 \\
016016 \\
023023 \\
004004 \\
1961 / A C T \\
007007 \\
019
\end{array} 019 \\
& \text { 1952/ACT } \\
& 013013 \\
& \begin{array}{l}
1 \\
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1 \\
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\end{array} \\
& 010010 \\
& 014014 \\
& 007007 \\
& 016016 \\
& 023023 \\
& 900900 \\
& \text { 1960/ACT } \\
& \begin{array}{l}
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\end{array} \\
& +00100 \\
& \begin{array}{l}
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\vdots \\
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\end{array} \\
& \begin{array}{c}
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\end{array} \\
& \begin{array}{l}
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\stackrel{N}{6} \\
\hline
\end{array} \\
& \begin{array}{l}
\frac{9}{6} \\
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\end{array} \\
& 015015 \\
& \begin{array}{l}
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\text { N } \\
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\end{array} \\
& \begin{array}{r}
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1010 \\
15 V / 1961
\end{array} \\
& 010610 \\
& \begin{array}{c}
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\text { § } \\
\text { N } \\
\text { O }
\end{array} \\
& 007007 \\
& 022022 \\
& 026026 \\
& 800900 \\
& \text { 13V/6961 } \\
& 013013 \\
& 800800 \\
& 910910 \\
& 020020 \\
& 017017 \\
& \begin{array}{l}
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& 610610 \\
& \begin{array}{l}
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\end{array} \\
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& \text { 1950/ACT } \\
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& 022022 \\
& 007007 \\
& 120120 \\
& 019019 \\
& \begin{array}{l}
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\end{array}
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& \text { 8 }\end{aligned}$
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017017

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1948／ACT 1949／ACT
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001001
009009
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007007
014014
019019
006006
1957／ACT
008008
004004
010010
017017
016016
017017
$\begin{aligned} & \text {＋} \\
& \stackrel{8}{8} \\
& \stackrel{+}{8}\end{aligned}$
$\begin{aligned} & \text { 1948／ACT } \\
& 000000\end{aligned}$
$\begin{aligned} & 8 \\
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& 8\end{aligned}$
011011
028028
$\begin{aligned} & \text { ® } \\
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& 8\end{aligned}$
022022
015015
006006
1956／ACT

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\frac{m}{6}\end{gathered}$
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& \stackrel{N}{\circ}\end{aligned}$
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1947／ACI
$\begin{gathered}\overline{8} \\
\overline{8}\end{gathered}$
001001
011011
028028
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1955／ACT

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& \stackrel{0}{0}\end{aligned}$
017017
007007
016016
$\begin{aligned} & \text { N } \\
& \text { N } \\
& \text { N } \\
& \text { N }\end{aligned}$

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| $\stackrel{+}{8}$ |

1946／ACT
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$\begin{aligned} & \text { m } \\
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& 8\end{aligned}$
$\begin{gathered}\text { N } \\
\text { N } \\
\text { N }\end{gathered}$
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1954／ACT
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$\begin{aligned} & 8 \\
& 8 \\
& 8 \\
& 8\end{aligned}$
$\begin{aligned} & \stackrel{\circ}{6} \\
& \frac{\circ}{6}\end{aligned}$

| $\circ$ |
| :--- |
| $\frac{0}{0}$ |
| - |
| 6 |

$\begin{aligned} & \text { ® } \\
& \text { \＆} \\
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| $\frac{0}{6}$ |
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| 6 |

$\begin{aligned} & \text { N } \\
& \text { N } \\
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| $\stackrel{8}{8}$ |
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| $\stackrel{1}{8}$ |

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$n$
SECNAV ORDER OF BATTLE REPORT
country: greece (Continued)

| $1964 /$ ACT | $1965 / A C T$ | $1966 /$ ACT |
| :--- | :--- | :--- |
| 001001 | 001001 | 007007 |
| 004004 | 003003 | 015015 |
| 016016 | 016016 | 017017 |
| 016016 | 016016 | 016016 |
| 013013 | 013013 | 013013 |
| 000000 | 000000 | 000000 |
| 012012 | 012012 | 012012 |
| 002002 | 003003 | 003003 |
| $1972 / A C T$ | $1973 / A C T$ | $1974 / A C T$ |
| 001001 | 002002 | 000000 |
| 009009 | 009009 | 000000 |
| 014014 | 014014 | 014014 |
| 023023 | 023023 | 017017 |
| 009009 | 009009 | 007007 |
| 012012 | 012012 | 012012 |
| 012012 | 013013 | 015015 |
| 002002 | 005005 | 007007 |

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\begin{aligned}
& \begin{array}{l}
1985 / \text { ACt } \\
001001 \\
003003 \\
013013 \\
016016 \\
014014 \\
017017 \\
020020 \\
010010
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{l}
1953 / A C T \\
002000 \\
003000 \\
1961 / A C T \\
004000 \\
004000 \\
1969 / A C T \\
005000 \\
000000 \\
1977 / A C T \\
006000 \\
1985 / A C T \\
004000
\end{array} \\
& \begin{array}{l}
1952 / \mathrm{ACT} \\
001000 \\
003000 \\
1960 / \mathrm{ACT} \\
004000 \\
004000 \\
1968 / \mathrm{ACT} \\
005000 \\
001000 \\
1976 / \mathrm{ACT} \\
007000 \\
1984 / \mathrm{ACT} \\
005000
\end{array} \\
& \begin{array}{l}
1951 / A C T \\
001000 \\
003000 \\
1959 / A C T \\
003000 \\
005000 \\
1967 / A C T \\
004000 \\
001000 \\
1975 / A C T \\
007000 \\
1983 / A C T \\
005000
\end{array} \\
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { COUNTRY: ICELAND } \\
& \text { 1950/ACT } \\
& \begin{array}{l}
001000 \\
002000
\end{array} \\
& \begin{array}{l}
1958 / \mathrm{ACT} \\
004000 \\
004000
\end{array} \\
& \text { 1966/ACT } \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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\end{array} \\
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& 005000 \\
& \text { 1982/ACT } \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
1949 / \text { ACT } \\
003000 \\
001000
\end{array} \\
& \text { 1957/ACT } \\
& \begin{array}{ll}
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\end{array} \\
& 004000 \\
& \text { 1965/ACT } \\
& 004000 \\
& 001000 \\
& \text { 1973/ACT } \\
& 005060 \\
& \begin{array}{l}
1981 / \text { ACT } \\
005000
\end{array}
\end{aligned}
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\begin{aligned}
& \text { 1946/ACT } \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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\end{array} \\
& \text { 1954/ACT } \\
& \begin{array}{l}
\text { \& } \\
\text { \% } \\
\text { \% } \\
\hline
\end{array} \\
& \begin{array}{l}
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\end{array} \\
& \text { 1962/ACT } \\
& \begin{array}{l}
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\end{array} \\
& \text { 1970/ACT } \\
& \begin{array}{l}
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\end{array} \\
& \text { 1978/ACT } \\
& \begin{array}{l}
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\hline 8 \\
\hline 8
\end{array} \\
& \text { 1986/ACT } \\
& \begin{array}{l}
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\hline 8 \\
+ \\
\hline 8
\end{array} \\
& \text { \& } \\
& \text { \& } \\
& \text { Q } \\
& 2 \\
& \text { 2. }
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{ll}
1953 / \text { ACT } \\
022 & 022 \\
031 & 031 \\
000 & 000 \\
055 & 055 \\
037 & 037 \\
000 & 000 \\
027 & 027 \\
062 & 002 \\
1961 / A C T \\
024 & 024 \\
039 & 039 \\
148 & 139 \\
022 & 022 \\
021 & 021 \\
024 & 024 \\
004 & 004
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \text { 1950/ACT } \\
& 024024 \\
& 024024 \\
& \begin{array}{l}
8 \\
\hline 8 \\
\hline 8
\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
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\frac{m}{6}
\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
\text { \& } \\
\text { \& } \\
\text { \& }
\end{array} \\
& \text { 1958/ACT } \\
& 021021
\end{aligned}
$$

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\begin{aligned}
& 093093 \\
& 031031 \\
& \\
& \begin{array}{l}
\text { 웅 } \\
\text { 웅 }
\end{array} \\
& \stackrel{\circ}{\circ} \\
& \begin{array}{l}
\text { 1949/ACT } \\
017017 \\
019019 \\
000000
\end{array} \\
& 000000 \\
& 065065 \\
& 037037 \\
& 019019 \\
& 010010 \\
& 000000 \\
& \text { 1957/ACT }
\end{aligned}
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\begin{aligned}
& 043043 \\
& \begin{array}{l}
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\end{array} \\
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\end{array} \\
& \begin{array}{l}
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\text { in } \\
\text { in }
\end{array} \\
& 024024 \\
& \begin{array}{l}
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\stackrel{8}{8} \\
\stackrel{8}{8}
\end{array}
\end{aligned}
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\begin{aligned}
& \text { 1946/ACT }
\end{aligned}
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\begin{aligned}
& \frac{\bar{\sigma}}{\bar{\sigma}} \\
& \begin{array}{l}
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\text { \& }
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\end{array}
\end{aligned}
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\end{array} \\
& \begin{array}{l}
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\text { \& } \\
\text { \& }
\end{array}
\end{aligned}
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\begin{aligned}
& \text { N}
\end{aligned}
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\begin{aligned}
& 025025 \\
& \begin{array}{l}
\text { N } \\
\text { in } \\
\\
\end{array} \\
& \text { N } \\
& \begin{array}{l}
\text { ஜ. } \\
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\end{array}
\end{aligned}
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\begin{aligned}
& \text { 㐅 N N } \\
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\end{aligned}
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\begin{aligned}
& \begin{array}{l}
1969 / A C T \\
021021 \\
148148 \\
003003 \\
061061 \\
038038 \\
009009 \\
025025 \\
008008 \\
004004 \\
1977 / A C T \\
075075 \\
022022 \\
002001 \\
045045 \\
007011 \\
0060
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{l}
1967 / A C T \\
021021 \\
073073 \\
000000
\end{array} \\
& 190190 \\
& 039039 \\
& \begin{array}{l}
9 \\
8 \\
8 \\
8 \\
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\end{array} \\
& 023023 \\
& 006006 \\
& 000000 \\
& \text { 1975/ACT } \\
& \begin{array}{c}
N \\
\text { N } \\
\text { N } \\
\text { O }
\end{array} \\
& \begin{array}{c}
\overline{8} \\
\overline{8} \\
\overline{8}
\end{array} \\
& \begin{array}{l}
\text { \& } \\
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\end{array} \\
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\end{array} \\
& 010610 \\
& \begin{array}{l}
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\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
\frac{0}{6} \\
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\end{array} \\
& \text { 180dヨy 37L178 } \ddagger 0 \text { 43040 AVNOヨS } \\
& \text { COUNTRY: ITALY (Continued) } \\
& \text { 1966/ACT } \\
& 021021 \\
& \begin{array}{c}
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\text { - } \\
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\end{array} \\
& \begin{array}{l}
\text { \& } \\
\text { \& } \\
\text { \& } \\
\text { \& } \\
\hline 8
\end{array} \\
& \begin{array}{l}
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\stackrel{0}{\circ} \\
\text { ㅇ } \\
\text { ㅇ }
\end{array} \\
& \begin{array}{c}
\overline{8} \\
\overline{8}
\end{array} \\
& \begin{array}{l}
\frac{9}{6} \\
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\end{array} \\
& \begin{array}{c}
\text { N } \\
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\end{array} \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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\hline 8 \\
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\end{array} \\
& \text { 1974/ACT } \\
& \begin{array}{c}
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\end{array} \\
& \begin{array}{c}
\text { N } \\
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\end{array} \\
& \begin{array}{l}
\text { N } \\
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\end{array} \\
& \begin{array}{c}
\text { N } \\
\text { 웅 } \\
\text { N }
\end{array} \\
& \begin{array}{l}
1965 / \text { ACT } \\
021021 \\
114114 \\
005005
\end{array} \\
& 078078 \\
& \text { Z50 Zと0 } \\
& 009009 \\
& \begin{array}{c}
\text { N } \\
\text { O } \\
\text { N } \\
\text { N }
\end{array} \\
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\stackrel{8}{8} \\
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\end{array} \\
& \begin{array}{l}
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\hline
\end{array} \\
& \begin{array}{l}
1973 / \text { ACT } \\
001001
\end{array} \\
& 144144 \\
& \begin{array}{l}
\overline{8} \\
\overline{8}
\end{array} \\
& 061061 \\
& 008008 \\
& \begin{array}{l}
\text { N } \\
\stackrel{\rightharpoonup}{\circ} \\
\stackrel{N}{0}
\end{array}
\end{aligned}
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$\begin{aligned} & 1964 / \text { ACT } \\
& 021021 \\
& 124124 \\
& 000000 \\
& 094094 \\
& 040040\end{aligned}$
014011
$\begin{gathered}\stackrel{+}{\circ} \\
\stackrel{+}{\Phi} \\
\stackrel{+}{\sigma}\end{gathered}$

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1972／ACT

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& 8\end{aligned}$

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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \begin{array}{lcc} 
& \text { COUNTRY: ITALY (Continued) } \\
\text { 1980/ACT } & 1981 / A C T & 1982 / \text { ACT } \\
015015 & 016016 & 018018 \\
074074 & 039039 & 072072 \\
001001 & 000000 & 001001 \\
003003 & 002002 & 002002 \\
041041 & 036036 & 035035 \\
006006 & 004004 & 006006 \\
006006 & 011011 & 010010 \\
027027 & 025025 & 024024 \\
010010 & 009009 & 010010
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
1953 / \text { ACT } \\
000000 \\
000000 \\
066066 \\
118054 \\
065000 \\
024018 \\
1961 / A C T \\
003003 \\
015006 \\
004004 \\
052052 \\
085016 \\
064009 \\
050044 \\
002002
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { COUNTRY: JAPAN } \\
& \text { 1950/ACT } \\
& 000000 \\
& 007007 \\
& \begin{array}{l}
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\end{array} \\
& 009009
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
0 \\
\stackrel{8}{8} \\
\underset{8}{8}
\end{array} \\
& \text { 1958/ACT } \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{c}
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\infty
\end{array} \\
& \begin{array}{c}
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\text { - }
\end{array} \\
& \begin{array}{l}
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\end{array}
\end{aligned}
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& \begin{array}{l}
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\end{array} \\
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\end{array} \\
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\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
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\end{array} \\
& 000000 \\
& 015000 \\
& 000000 \\
& 001001 \\
& \text { 1957/ACT } \\
& 000000 \\
& 002002 \\
& 029029 \\
& 051051 \\
& 121064 \\
& \begin{array}{l}
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\end{array} \\
& 036034 \\
& \begin{array}{l}
\overline{8} \\
\overline{8}
\end{array} \\
& \begin{array}{l}
1948 / \text { ACT } \\
000000 \\
000000
\end{array} \\
& 000000 \\
& 015000 \\
& \begin{array}{l}
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\end{array} \\
& 001001 \\
& \text { 1956/ACT } \\
& \begin{array}{l}
\text { N } \\
\text { \% } \\
\text { N } \\
\text { \% }
\end{array} \\
& \begin{array}{l}
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& \begin{array}{l}
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\end{array}
\end{aligned}
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\begin{aligned}
& 111050 \\
& \begin{array}{l}
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\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
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\end{array}
\end{aligned}
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\begin{aligned}
& \text { 1946/ACT } \\
& \begin{array}{l}
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\end{array} \\
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\end{array} \\
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\end{array} \\
& \text { 1954/ACT } \\
& \begin{array}{l}
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\end{array} \\
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& \begin{array}{l}
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\end{array} \\
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\end{array} \\
& 080045 \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{c}
\text { N } \\
\text { N } \\
\text { N } \\
\text { N }
\end{array} \\
& \begin{array}{l}
\text { 8 } \\
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\end{array} \\
& \text { × N } \times \text { O }
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{ll}
1969 / A C T \\
004 & 004 \\
065 & 013 \\
004 & 004 \\
042042 \\
078 & 020 \\
110 & 024 \\
051 & 044 \\
010 & 010 \\
1977 / A C T \\
000 & 000 \\
017 & 012 \\
006 & 006 \\
037 & 037 \\
078 & 016 \\
139 & 015 \\
056 & 046 \\
015 & 015 \\
000 & 000
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{lll} 
& \text { COUNTRY: JAPAN (Conilnued) } \\
1964 / A C T & 1965 / A C T & 1966 / A C T \\
001001 & 002002 & 004004 \\
064064 & 020020 & 187015 \\
005005 & 004004 & 004004 \\
049049 & 048048 & 048048 \\
089018 & 096020 & 095020 \\
103044 & 104042 & 107024 \\
045039 & 053047 & 035035 \\
006006 & 006006 & 006006 \\
1972 / A C T & 1973 / A C T & 1974 / A C T \\
003003 & 001001 & 001001 \\
014005 & 012009 & 012009 \\
004004 & 007007 & 005005 \\
05050 & 053053 & 052052 \\
\hline 062020 & 085020 & 084020 \\
170010 & 139007 & 186018 \\
051045 & 051044 & 054045 \\
011011 & 014014 & 014014 \\
000000 & 001000 & 001000
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
1985 / \text { ACt } \\
003003 \\
036021 \\
008008 \\
041041 \\
049002 \\
252014 \\
091049 \\
014014
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \text { SECNAV ORDER OF BATtLE REPORT } \\
& \text { COUNTRY: JAPAN (Continued) } \\
& \begin{array}{l}
1982 / \text { ACT } \\
001001 \\
021008 \\
008008 \\
040040 \\
054005 \\
245014 \\
091049 \\
013013
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \text { 1986/ACT } \\
& 033025 \\
& \begin{array}{l}
132077 \\
006006
\end{array} \\
& \text { tre tre } \\
& 049001 \\
& \begin{array}{l}
150860 \\
+106<2
\end{array} \\
& \begin{array}{l}
\stackrel{+}{\sigma} \\
\stackrel{+}{6}
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \left.\begin{array}{l}
1953 / A C T \\
000000 \\
000000 \\
001001 \\
000000 \\
031031 \\
001001 \\
000006 \\
026026 \\
004004 \\
003003 \\
1961 / A C T \\
006006 \\
018018 \\
001001 \\
068068 \\
012012 \\
024024 \\
006006 \\
000
\end{array}\right] \\
& \text { 1952/ACT } \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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\hline 8 \\
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\hline 8
\end{array} \\
& 001001 \\
& 090000 \\
& 036036 \\
& \begin{array}{l}
\text { N } \\
\text { \% } \\
\text { \% } \\
\hline 8
\end{array} \\
& 000000 \\
& \begin{array}{l}
\infty \\
\infty \\
\infty \\
\infty \\
\hline
\end{array} \\
& \begin{array}{l}
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\hat{8} \\
\hat{8}
\end{array} \\
& \begin{array}{l}
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\end{array} \\
& \text { 1960/ACT } \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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\hline 8
\end{array} \\
& 001001 \\
& \begin{array}{l}
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\end{array} \\
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\text { N } \\
\text { N } \\
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\end{array} \\
& \begin{array}{c}
\text { N } \\
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\end{array} \\
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\stackrel{8}{8}
\end{array} \\
& \begin{array}{l}
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\hline 8
\end{array} \\
& \text { 1951/ACT } \\
& 002002 \\
& \begin{array}{r}
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\hline
\end{array} \\
& \begin{array}{c}
- \\
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\bar{\circ}
\end{array} \\
& 001001 \\
& 041041 \\
& 002002 \\
& 000000 \\
& 016016 \\
& 007006 \\
& 000000 \\
& \text { 1959/ACT } \\
& \begin{array}{l}
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\end{array} \\
& 000000 \\
& 001001 \\
& 052052 \\
& 012012
\end{aligned}
$$

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$\begin{aligned} & \overline{8} \\ & \overline{8}\end{aligned}$
COUNTRY：NETHERLANDS
1950／ACT
008006
000000
001001
$\begin{aligned} & 8 \\
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& 8\end{aligned}$
035035
$\begin{array}{r}\stackrel{+}{8} \\
\stackrel{+}{8} \\
\stackrel{+}{8}\end{array}$

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1958／ACT
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$\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { N }\end{aligned}$

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1949／ACT
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000000
001001
$\begin{aligned} & 8 \\
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041041
007007
$\begin{aligned} & \text { N } \\
& \text { N } \\
& \text { N } \\
& \text { N }\end{aligned}$
$\begin{aligned} & \bar{\circ} \\
& \bar{\sigma}\end{aligned}$

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$\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & 8\end{aligned}$
$\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & 8 \\ & 8\end{aligned}$
001001
076076
$\begin{gathered}m \\ \frac{2}{2} \\ \cdots\end{gathered}$
004004

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$\begin{aligned} & 8 \\
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& 8\end{aligned}$
$\begin{aligned} & \overline{8} \\
& \overline{8}\end{aligned}$
000000
041041
010010
033033
$\begin{aligned} & \text { N } \\
& \stackrel{N}{\circ} \\
& \stackrel{N}{0}\end{aligned}$

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$\begin{aligned} & 8 \\
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& 8\end{aligned}$
1956／ACT

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| N |
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001001
079079
012012
$\begin{aligned} & \stackrel{+}{8} \\
& \stackrel{+}{8}\end{aligned}$
$\begin{aligned} & 8 \\
& 8 \\
& 8 \\
& 8\end{aligned}$
1947／ACT
000000
000000
001001
000000
049049
010010
040040
012012

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1955／ACT

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012012
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1954／ACT
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\begin{aligned}
& \begin{array}{l}
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062062 \\
014014 \\
020020 \\
006006 \\
1977 / A C T \\
000000 \\
003003 \\
036036 \\
011011 \\
018018 \\
006006
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
\text { SECNAV ORDER OF BATTLE REPORT } \\
\text { COUNTRY: NETHERLANDS (Continued) }
\end{array} \\
& \begin{array}{ll}
1965 / \text { ACT } & 1966 / \text { ACT } \\
003003 & 003003
\end{array} \\
& 030030 \\
& 001001 \\
& \begin{array}{l}
\text { \% } \\
\text { O } \\
\text { \% } \\
\text { \% }
\end{array} \\
& \begin{array}{l}
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\stackrel{N}{\sigma} \\
\stackrel{\rightharpoonup}{6}
\end{array} \\
& \begin{array}{l}
\stackrel{\rightharpoonup}{0} \\
\text { \% } \\
\text { \% } \\
\hline
\end{array} \\
& 005005 \\
& \text { 1974/ACT } \\
& 000800 \\
& \begin{array}{l}
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\end{array} \\
& 050050 \\
& 011011
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
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\hline 8 \\
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\end{array} \\
& \begin{array}{l}
1964 / \text { ACT } \\
004004
\end{array} \\
& 002002 \\
& 001001 \\
& 068-868 \\
& 011011 \\
& 020020 \\
& 005005 \\
& \text { 1972/ACT } \\
& 001001
\end{aligned}
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& \begin{array}{l}
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\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
\text { 1985/ACT } \\
002002 \\
021021 \\
003003 \\
018018 \\
005005
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
1983 / \text { ACT } \\
002002 \\
019019 \\
009009 \\
017017 \\
006006
\end{array} \\
& \begin{array}{l}
\text { SECNAV ORDER OF BATTLE REPORT } \\
\text { COUNTRY: NETHERLANDS (Continued) }
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{ll}
1953 / A C T \\
000 & 000 \\
000 & 000 \\
000 & 000 \\
017 & 017 \\
007 & 007 \\
017 & 017 \\
012 & 012 \\
008 & 008 \\
1961 / A C T \\
000 & 000 \\
003 & 003 \\
024 & 024 \\
000 & 000 \\
028 & 028 \\
008 & 008 \\
008 & 008
\end{array} \\
& \begin{array}{l}
1952 / A C T \\
005005 \\
000000 \\
002002 \\
019019 \\
007007 \\
017017 \\
011011 \\
008006 \\
1960 / A C T \\
000 \\
000 \\
002002 \\
021021 \\
000 \\
000 \\
028 \\
028 \\
011
\end{array} \\
& \begin{array}{lll}
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\end{array} \\
& \begin{array}{l}
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\end{array} \\
& 022022 \\
& 008008 \\
& 018018 \\
& 010010 \\
& 009009 \\
& \text { 1959/ACT } \\
& 000000 \\
& 002002 \\
& 023023 \\
& \begin{array}{l}
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& \begin{array}{c}
\text { N } \\
\text { N } \\
\text { N } \\
\text { N }
\end{array} \\
& 012012 \\
& \begin{array}{l}
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\hline 8 \\
\hline 8 \\
\hline 8
\end{array} \\
& \text { secnal order of battle report } \\
& \text { 1950/ACT } \\
& 000000 \\
& 002002 \\
& 000000 \\
& 013013 \\
& 008008 \\
& 015015 \\
& 010010 \\
& 005005 \\
& \text { 195B/ACT } \\
& 000000 \\
& 004004 \\
& 025025 \\
& \begin{array}{l}
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\stackrel{+}{8}
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& \begin{array}{c}
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\text { N } \\
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\text { \% }
\end{array} \\
& 012012 \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
1949 / \text { ACT } \\
000000
\end{array} \\
& \begin{array}{l}
\text { N } \\
\text { \% } \\
\text { N } \\
\text { 8 }
\end{array} \\
& \begin{array}{l}
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\end{array} \\
& 013013 \\
& \begin{array}{l}
\text { \& } \\
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\end{array} \\
& \begin{array}{c}
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\text { N } \\
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& \begin{array}{l}
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\stackrel{0}{0}
\end{array} \\
& \mathbf{5 0 0} \mathbf{5 0 0} \\
& \text { 1957/ACT } \\
& 000000 \\
& 005005 \\
& 024024 \\
& 005005 \\
& \begin{array}{cc}
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\text { N } \\
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\end{array} \\
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\end{array}
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\begin{aligned}
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\end{array} \\
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\end{array} \\
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& \begin{array}{l}
\text { \% } \\
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\end{array} \\
& \text { 1956/ACT } \\
& \begin{array}{l}
\text { \% } \\
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& \begin{array}{l}
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\hline 8 \\
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& \begin{array}{c}
\text { N } \\
\text { N } \\
\text { N } \\
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& \begin{array}{c}
n \\
\frac{n}{6} \\
\frac{n}{6}
\end{array} \\
& \begin{array}{l}
\text { \% } \\
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\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
1969 / A C T \\
002002 \\
015015 \\
007007 \\
047047 \\
006006 \\
015015 \\
1977 / A C T \\
003003 \\
016016 \\
009003 \\
060060 \\
005005 \\
015015
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \text { COUNTRY: NORWAY (Continued) } \\
& \begin{array}{ll}
\text { 1965/ACT } & \text { 1966/ACT } \\
002002 & 002002
\end{array} \\
& 015015 \\
& \begin{array}{l}
\text { N } \\
\hline 8 \\
\text { - } \\
\hline
\end{array} \\
& 047047 \\
& 004004 \\
& 800800 \\
& \text { 1974/ACT } \\
& 002002 \\
& 015015 \\
& 002002 \\
& 846846 \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{c}
n \\
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0
\end{array} \\
& \begin{array}{l}
\text { 1965/ACT } \\
002002 \\
015015
\end{array} \\
& 004004 \\
& 032032 \\
& 008008 \\
& 005005 \\
& \begin{array}{l}
\text { 1973/ACT } \\
002002 \\
015015
\end{array} \\
& \begin{array}{l}
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\hline 8 \\
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\end{array} \\
& 846846
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
1964 / \text { ACT } \\
002002 \\
014014 \\
003003
\end{array} \\
& 032032 \\
& 008008 \\
& 002002 \\
& \text { 1972/ACT } \\
& \begin{array}{l}
000000 \\
015015
\end{array} \\
& \begin{array}{l}
\text { N } \\
\text { O } \\
\text { N } \\
\text { \% }
\end{array} \\
& 846846 \\
& 005005 \\
& \begin{array}{c}
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& \text { 1כV/2961 } \\
& \begin{array}{lll}
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220 & 220 & \text { Jd } \\
000 & 000 & \text { Od } \\
810 & 810 & \text { MW } \\
200 & 200 & Z V
\end{array} \\
& \text { 1970/ACT } \\
& \begin{array}{l}
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\text { \& } \\
\text { \% } \\
\text { \% }
\end{array} \\
& 008008 \\
& \begin{array}{l}
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0 \\
\vdots \\
\vdots
\end{array} \\
& \begin{array}{l}
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\end{array} \\
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\end{array} \\
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& \begin{array}{l}
1985 / \mathrm{ACT} \\
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008008 \\
000000 \\
013013 \\
009003 \\
056049 \\
005005 \\
014014
\end{array}
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\begin{aligned}
& \text { COUNTRY: NORWAY (Continued) }
\end{aligned}
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COUNTRY: NEW ZEALAND

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1949/АСТ

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1966 / \mathrm{ACT}
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& 1947 / A C T \\
& 002002 \\
& 009009 \\
& 000000 \\
& 006006 \\
& 008008 \\
& 1955 / A C T \\
& 000000 \\
& 011011 \\
& 010010 \\
& 000000 \\
& 014014 \\
& 008008 \\
& 1963 / A C T \\
& 004004 \\
& 004004 \\
& 002002 \\
& 014014 \\
& 006006
\end{aligned}
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1957/ACT

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011011
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& 014014 \\
& 008008
\end{aligned}
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\begin{aligned}
& 1953 / A C T \\
& 008008 \\
& 012012 \\
& 000000 \\
& 011011 \\
& 008008 \\
& 1961 / A C T \\
& 000000 \\
& 005005 \\
& 006006 \\
& 002002 \\
& 014014 \\
& 012012 \\
& 1969 / A C T \\
& 003003 \\
& 002002 \\
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& 000 \\
& 012012 \\
& 005005
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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { COUNTRY: NEW ZEALAND (Continued) } \\
& \begin{array}{lll}
1972 / \text { ACT } & 1973 / \text { ACT } & 1974 / \text { ACT } \\
003003 & 003003 & 003003 \\
002002 & 002002 & 000000 \\
000000 & 000000 & 000000 \\
011011 & 011011 & 011011 \\
004004 & 004004 & 006006 \\
1980 / \text { ACT } & 1981 / A C T & 1982 / \text { ACT } \\
004004 & 005005 & 003003 \\
010010 & 009009 & 009009 \\
004004 & 004004 & 004004
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \begin{array}{l}
1948 / \text { ACT } \\
000000 \\
000000 \\
004004 \\
021021 \\
008008 \\
014014 \\
004004
\end{array} \\
& \begin{array}{l}
\text { 1956/ACT } \\
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& 020020 \\
& \begin{array}{l}
003003 \\
021021
\end{array} \\
& \begin{array}{l}
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\end{array}
\end{aligned}
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$\begin{array}{ll}1969 / A C T \\ 002002 \\ 003003 \\ 005005 \\ 017 & 017 \\ 036036 \\ 030 & 030 \\ 022022 \\ 004 & 004 \\ 1977 / A C T \\ 000 & 000 \\ 004 & 004 \\ 002002 \\ 004 & 004 \\ 010 & 010 \\ 016 & 016 \\ 022 & 022 \\ 003 & 003\end{array}$

 SECNAV ORDER OF BATTLE REPORT
COUNTRY: PORTUGAL (Continued)
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& \begin{array}{l}
1983 / \text { ACt } \\
003003 \\
002002 \\
004004 \\
010010 \\
016016 \\
020020 \\
003003
\end{array} \\
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { COUNTRY: PORTUGAL (Continued) } \\
& \text { 1982/ACT }
\end{aligned}
$$

1986/ACT
018010
008008
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\begin{aligned}
& \begin{array}{l}
1953 / A C T \\
000000 \\
000000 \\
013013 \\
016005 \\
025023 \\
035035 \\
006006 \\
1961 / A C T \\
006006 \\
000000 \\
003003 \\
031031 \\
012012 \\
028028 \\
005005 \\
000
\end{array} \\
& \begin{array}{l}
1952 / \text { ACT } \\
003003 \\
009009 \\
012012 \\
022005 \\
025025 \\
032032
\end{array} \\
& \begin{array}{l}
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\hline \\
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\end{array} \\
& \begin{array}{l}
5 \\
\vdots \\
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0 \\
\hline 0
\end{array} \\
& 004004 \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
9 \\
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9 \\
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\end{array} \\
& \begin{array}{c}
-8 \\
0 \\
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8 \\
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\end{array} \\
& \begin{array}{l}
n \\
\vdots \\
\vdots \\
\hline
\end{array} \\
& \begin{array}{c}
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N
\end{array} \\
& \begin{array}{l}
\square \\
\mathbf{0} \\
\mathbf{0} \\
\hline
\end{array} \\
& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
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\hline 8 \\
\hline 8
\end{array} \\
& \begin{array}{l}
1951 / A C T \\
006006
\end{array} \\
& 000000 \\
& \text { ctocto } \\
& 110910
\end{aligned}
$$

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\begin{aligned}
& 030030 \\
& 006006 \\
& \text { 1959/ACT } \\
& 004004 \\
& 003003 \\
& \begin{array}{l}
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\end{array} \\
& 220220 \\
& \begin{array}{l}
9 \\
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\hline
\end{array} \\
& \\
& 045045 \\
& 006006 \\
& \begin{array}{r}
+8 \\
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\end{array}
\end{aligned}
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\begin{aligned}
& \begin{array}{l}
-8 \\
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\end{array} \\
& 014014 \\
& \\
& 061061 \\
& \begin{array}{l}
n \\
\hline \\
\hline \\
\hline
\end{array} \\
& 900900 \\
& \text { 1957/ACT } \\
& 004004 \\
& 003003 \\
& 000000 \\
& 025025 \\
& 012006 \\
& \begin{array}{c}
0 \\
\hline \\
\hline \\
\hline \\
\hline \\
\hline
\end{array} \\
& 044044 \\
& 006006 \\
& \begin{array}{l}
8 \\
8 \\
8 \\
8
\end{array} \\
& \begin{array}{ll}
- & 8 \\
\vdots & 8 \\
\infty & 8 \\
\vdots & 8 \\
\hline & 8
\end{array} \\
& \begin{array}{l}
8 \\
8 \\
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\end{array} \\
& 014014 \\
& \begin{array}{l}
8 \\
8 \\
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\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \text { SE0 š0 } \\
& \mathrm{G} 00 \mathrm{~S} 00 \\
& \begin{array}{l}
\text { 1956/ACT } \\
005005
\end{array} \\
& \begin{array}{l}
8 \\
8 \\
8 \\
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\end{array} \\
& \begin{array}{l}
8 \\
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\end{array} \\
& \begin{array}{c}
\text { N } \\
\text { N } \\
\text { N } \\
\text { N }
\end{array} \\
& \begin{array}{l}
\text { N } \\
\frac{+}{0} \\
\hline
\end{array}
\end{aligned}
$$

051051
$\begin{aligned} & 9 \\
& 8 \\
& 8 \\
& 8\end{aligned}$
$\begin{aligned} & 8 \\
& 8 \\
& 8 \\
& 8\end{aligned}$
1947/ACT
003003
002002
014014
$\begin{aligned} & 8 \\
& 8 \\
& 8 \\
& 8\end{aligned}$
034034
035035
005005
1955/ACT
004004
002002
000000
$\begin{gathered}\text { N } \\
\text { O } \\
\text { N } \\
\text { © }\end{gathered}$

| 8 |
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| 8 |
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| $M$ |
| :---: |
| N |
| N |
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040040
006006
$\begin{aligned} & 8 \\
& 8 \\
& 8 \\
& 8\end{aligned}$
1946/ACT
500500
000000
600600
$\begin{aligned} & 8 \\
& 8 \\
& 8\end{aligned}$

| 9 |
| :--- |
| 8 |
| 8 |

043043
$\begin{aligned} & 9 \\
& 8 \\
& 8 \\
& 8\end{aligned}$
1954/ACT
$\begin{aligned} & 8 \\
& 8 \\
& 8 \\
& 8\end{aligned}$
000000
$\begin{aligned} & 8 \\
& 8 \\
& 8 \\
& 8\end{aligned}$

> | 6 |
| :--- |
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|  | $\begin{aligned} & 6 \\ & 8 \\ & 8 \\ & 8\end{aligned}$ $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & 8\end{aligned}$ $\times \geqslant 3$ N $<\geqslant \boldsymbol{y}$

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\begin{aligned}
& \stackrel{-}{8} \\
& \stackrel{\circ}{\circ} \\
& \underline{\circ}
\end{aligned}
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008008
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\begin{aligned}
& \text { ® } \\
& \text { \& }
\end{aligned}
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\begin{aligned}
& \stackrel{+}{\otimes} \\
& \stackrel{+}{\star}
\end{aligned}
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& \overline{\mathrm{I}} \\
& \overline{\bar{\circ}}
\end{aligned}
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\begin{aligned}
& \frac{n}{6} \\
& \frac{n}{\sigma}
\end{aligned}
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\begin{aligned}
& \oplus \\
& \stackrel{\oplus}{\odot} \\
& \stackrel{\oplus}{\odot}
\end{aligned}
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\begin{aligned}
& \stackrel{~}{6} \\
& \stackrel{~}{\Phi}
\end{aligned}
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003003
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008008
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\begin{aligned}
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& \text { \& } \\
& \hline 8
\end{aligned}
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\begin{aligned}
& 8 \\
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& \hline 8
\end{aligned}
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\begin{aligned}
& \pm \\
& \stackrel{0}{2} \\
& \neq 0 \\
& \hline
\end{aligned}
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\begin{aligned}
& \stackrel{\rightharpoonup}{\delta} \\
& \stackrel{\text { den }}{ }
\end{aligned}
$$

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\begin{aligned}
& \text { \% } \\
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& \stackrel{\circ}{8}
\end{aligned}
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\begin{aligned}
& \hat{2} \\
& \hat{\alpha} \\
& \underset{\alpha}{n}
\end{aligned}
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\begin{aligned}
& 1964 / \text { ACt } \\
& 003003
\end{aligned}
$$

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003003
$$

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\begin{aligned}
& \bar{\delta} \\
& \bar{\Phi}
\end{aligned}
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038038
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009009
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026026
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1972/ACT

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006006
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\begin{aligned}
& \overline{8} \\
& \overline{8}
\end{aligned}
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013013
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000 \text { ө00 }
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000000
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007007
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COUNTRY: SPAIN (Continued)

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\begin{aligned}
& \text { 1965/ACt } \\
& 003003
\end{aligned}
$$

$$
003003
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013013
$$

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018018
$$

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037037
$$

$$
000000
$$

1973/АСт

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\begin{aligned}
& \text { \& } \\
& \text { + } \\
& \hline 8
\end{aligned}
$$

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008008
$$

$$
023023
$$

$$
012012
$$

1974/ACT

$$
\begin{array}{ll}
1969 / A C T \\
003 & 003 \\
012 & 012 \\
004 & 004 \\
031 & 031 \\
014 & 014 \\
018 & 018 \\
033 & 033 \\
008 & 008 \\
000 & 000
\end{array}
$$

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021021
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\begin{aligned}
& \text { م్రి } \\
& \text { م } \\
& \text { م }
\end{aligned}
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\begin{aligned}
& \overline{0} \\
& \bar{\circ} \\
& \bar{o}
\end{aligned}
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000000
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\begin{aligned}
& N \\
& \bar{\theta} \\
& \stackrel{N}{0}
\end{aligned}
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\begin{aligned}
& \bar{\delta} \\
& \overline{\text { IN }}
\end{aligned}
$$

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\begin{aligned}
& \text { + } \\
& \text { + } \\
& \text { + }
\end{aligned}
$$

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\begin{aligned}
& \text { ®. } \\
& \mathbf{\otimes} \\
& \mathbf{\circ} \\
& \mathbf{\otimes}
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{l}
1984 / A C T \\
009009 \\
008008 \\
001001 \\
006006 \\
012012 \\
021021 \\
044044 \\
026026 \\
009009
\end{array} \\
& \begin{array}{l}
1983 / A C T \\
009009 \\
005005 \\
001001 \\
006006 \\
012012 \\
020020 \\
045045 \\
026026 \\
008008
\end{array} \\
& \text { 18Odヨy 371188 扌0 83a80 AVNOヨs } \\
& \text { COUNTRY: SPAIN (Continued) } \\
& \begin{array}{lll}
1980 / A C T & 1981 / A C T & 1982 / A C T \\
011011 & 008008 & 010010 \\
009009 & 016016 & 009009 \\
001001 & 001001 & 001001 \\
006006 & 006006 & 006006 \\
015015 & 015015 & 009009 \\
011011 & 011011 & 024024 \\
048048 & 048048 & 045045 \\
027027 & 028028 & 028028 \\
008008 & 008008 & 007007
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{l}
1953 / A C T \\
000000 \\
000000 \\
033033 \\
000000 \\
032032 \\
011011 \\
010010 \\
1961 / A C T \\
004004 \\
010010 \\
035035 \\
010010 \\
020020 \\
009009 \\
010010
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \text { COUNTRY: TURKEY } \\
& \text { 1958/ACT } \\
& \begin{array}{l}
004004 \\
011011
\end{array} \\
& 030030 \\
& 000000 \\
& \begin{array}{l}
\text { N } \\
\text { N } \\
\text { N } \\
\text { N }
\end{array} \\
& \begin{array}{l}
\text { ® } \\
\hline 8 \\
\text { \& } \\
\hline 8
\end{array} \\
& \begin{array}{l}
\text { 1958/ACt } \\
004004
\end{array} \\
& 010010
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
8 \\
\hline 8 \\
8 \\
8
\end{array} \\
& \begin{array}{c}
\text { © } \\
\text { © } \\
\text { © } \\
\text { N }
\end{array} \\
& \begin{array}{l}
m \\
\frac{m}{6} \\
\frac{m}{6}
\end{array} \\
& \begin{array}{l}
\text { 항 } \\
\stackrel{1}{8} \\
\stackrel{8}{8}
\end{array} \\
& \begin{array}{l}
1949 / A C T \\
004004 \\
008008 \\
030030 \\
000000 \\
024024 \\
011011 \\
010010
\end{array} \\
& \begin{array}{l}
\text { 1957/ACT } \\
004004
\end{array} \\
& 008008 \\
& 039039 \\
& 000000 \\
& \begin{array}{c}
\text { N } \\
\text { © } \\
\text { N } \\
\text { N }
\end{array} \\
& \begin{array}{l}
\frac{m}{2} \\
\frac{m}{6}
\end{array} \\
& \begin{array}{l}
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\text { - } \\
\text { - }
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \text { secnav order of battle report } \\
& \text { COUNTRY: TURKEY (Continued) } \\
& \text { 1965/ACT 1966/ACT } \\
& \begin{array}{l}
1965 / \text { ACT } \\
005005
\end{array} \\
& 005005 \\
& 031031 \\
& 015015 \\
& 032032 \\
& 008088 \\
& 010010 \\
& \begin{array}{l}
1973 / \text { ACT } \\
007007 \\
010010
\end{array} \\
& 000000 \\
& 027027 \\
& 007007
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
m \\
\frac{m}{6}
\end{array} \\
& \begin{array}{l}
1964 / \text { ACT } \\
005005 \\
007007 \\
036036 \\
009009 \\
030030 \\
009009 \\
010010
\end{array} \\
& \text { 1972/ACT } \\
& 000000 \\
& 000000 \\
& 000000 \\
& \begin{array}{c}
\text { N } \\
\text { N } \\
\text { N } \\
\text { N } \\
\\
\hline
\end{array} \\
& 012012 \\
& 054054 \\
& 021021 \\
& \begin{array}{l}
N \\
\cdots \\
\cdots
\end{array} \\
& \text { 1963/ACT } \\
& \begin{array}{ll}
\stackrel{\rightharpoonup}{8} & \hat{8} \\
\stackrel{\rightharpoonup}{8} & \hat{8}
\end{array} \\
& 031031 \\
& \begin{array}{l}
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8 \\
\hline 8
\end{array} \\
& 031031 \\
& \begin{array}{l}
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8 \\
\hline
\end{array} \\
& 010010 \\
& \begin{array}{l}
\text { 1971/ACT } \\
007007
\end{array} \\
& 021021 \\
& \begin{array}{l}
8 \\
8 \\
8 \\
8
\end{array} \\
& \text { N } \\
& 012012 \\
& \begin{array}{l}
\text { N } \\
\text { 8̀ } \\
\text { है } \\
8
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
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\hline- \\
\hline-
\end{array} \\
& \text { 1962/ACT } \\
& \begin{array}{ll}
+ & \stackrel{8}{\circ} \\
\stackrel{8}{8} \\
\stackrel{8}{8} & 8 \\
\hline &
\end{array} \\
& \begin{array}{l}
n \\
0 \\
0 \\
0 \\
0
\end{array} \\
& \begin{array}{l}
-\infty \\
\frac{\circ}{6} \\
\hline-
\end{array} \\
& \begin{array}{l}
\$ \\
0 \\
0 \\
\hline 8 \\
\hline 8
\end{array} \\
& \begin{array}{l}
\circ \\
\stackrel{\circ}{\circ} \\
\stackrel{9}{8} \\
\stackrel{0}{8} \\
\hline
\end{array} \\
& \begin{array}{l}
\stackrel{\circ}{6} \\
\frac{2}{6}
\end{array} \\
& \text { 1970/ACT } \\
& \begin{array}{l}
8 \\
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8 \\
\hline
\end{array} \\
& \begin{array}{c}
\bar{\circ} \\
\bar{\Phi} \\
\hline
\end{array} \\
& \begin{array}{l}
8 \\
\hline \\
8 \\
8 \\
\hline
\end{array} \\
& \begin{array}{c}
\text { 충 } \\
\text { 훙 }
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
3 \\
8 \\
8 \\
8
\end{array} \\
& \begin{array}{ll}
\frac{0}{6} & 0 \\
\frac{9}{6} & 0 \\
\frac{0}{6} & \\
\hline
\end{array}
\end{aligned}
$$

> \& a $n$

$$
\begin{aligned}
& \begin{array}{l}
1985 / \text { ACT } \\
014014 \\
022022 \\
007007 \\
040040 \\
014014 \\
020020 \\
018018 \\
016016
\end{array}
\end{aligned}
$$

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\text { L甘Odヨy } 371 \forall 8 ~=10 \text { yヨato ^VNJヨs }
$$

COUNTRY: UNITED KINGDOM

$$
\begin{aligned}
& 1952 / A C T \\
& 088 \\
& 088 \\
& 093 \\
& 093 \\
& 015
\end{aligned} 015
$$

$$
\begin{aligned}
& 1953 / A C T \\
& 000 \\
& 000 \\
& 000 \\
& 011000 \\
& 035 \\
& 011 \\
& 233 \\
& \hline 035 \\
& 000
\end{aligned} 000
$$

SECNAV ORDER OF BATTLE REPORT
COUNTRY: UNITED KINGDOM (Continued)

$$
\begin{aligned}
& 1969 / A C T \\
& 046046 \\
& 084084 \\
& 004004 \\
& 006006 \\
& 091091 \\
& 008008 \\
& 003003 \\
& 091091 \\
& 038038 \\
& 000000 \\
& 1977 / A C T \\
& 040040 \\
& 160160 \\
& 001001 \\
& 010010 \\
& 039039 \\
& 011011 \\
& 006006 \\
& 004004 \\
& 0070 \\
& 0022
\end{aligned}
$$

|  | $\begin{aligned} & \text { N్రీ } \\ & \text { N్రి } \end{aligned}$ | 픙 | $\begin{aligned} & \text { గ } \\ & \text { \& } \\ & \text { n } \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & 8 \end{aligned}$ | $\begin{aligned} & \mathbf{8} \\ & \mathbf{8} \\ & \text { © } \\ & \mathbf{8} \end{aligned}$ |  | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \text { M } \\ & \text { O } \\ & \text { M } \\ & \text { O } \end{aligned}$ | $\begin{aligned} & \overrightarrow{\mathbf{\theta}} \\ & \stackrel{\rightharpoonup}{\mathbf{O}} \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 8 \\ & \hline 8 \end{aligned}$ |  | $\begin{aligned} & \stackrel{\rightharpoonup}{\circ} \\ & \text { 。 } \\ & \text { な. } \end{aligned}$ | $\begin{aligned} & \mathscr{\otimes} \\ & \hline \mathbf{8} \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \overline{0} \\ & \bar{\sigma} \end{aligned}$ | $\begin{aligned} & \text { ! } \\ & \stackrel{+}{0} \\ & \stackrel{0}{\circ} \end{aligned}$ | $\begin{aligned} & \text { \& } \\ & \hline 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \mathbf{8} \\ & 8 \\ & 8 \\ & \text { O } \\ & \hline 8 \end{aligned}$ |  | $\begin{aligned} & \stackrel{\rightharpoonup}{\theta} \\ & \stackrel{\rightharpoonup}{\theta} \\ & \stackrel{\rightharpoonup}{0} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \stackrel{\bullet}{\otimes} \\ & \stackrel{\circ}{\bullet} \end{aligned}$ | $\begin{aligned} & \text { ®̈ } \\ & \text { هٍ } \end{aligned}$ | $\begin{aligned} & \boldsymbol{\circ} \\ & \mathbf{8} \\ & \text { ® } \end{aligned}$ | $\begin{aligned} & \frac{0}{0} \\ & \frac{0}{6} \end{aligned}$ | $\pm$ | $\begin{aligned} & \text { N } \\ & \text { O } \\ & \text { N్ర } \end{aligned}$ |  | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ |  | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \text { ¢ } \\ & \underset{\sim}{\circ} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & 8 \\ & 8 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 8 \\ & 8 \\ & 8 \end{aligned}$ |  | $\frac{0}{0}$ <br> - <br> - | $\begin{aligned} & \mathbf{0} \\ & \hline 0 \\ & \mathbf{0} \\ & \hline \mathbf{0} \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \text { © } \\ & \text { \& } \\ & \text { \& } \end{aligned}$ | $\begin{aligned} & \dot{8} \\ & \dot{8} \\ & \dot{8} \end{aligned}$ | $\begin{aligned} & \mathbf{0} \\ & \mathbf{O} \\ & \mathbf{0} \\ & \mathbf{0} \end{aligned}$ |
|  | $\begin{aligned} & \infty \\ & \mathbf{\infty} \\ & \text { O } \\ & \hline \mathbf{8} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\circ} \\ & \stackrel{\circ}{\circ} \\ & \stackrel{\circ}{\circ} \end{aligned}$ | $\begin{aligned} & \mathbf{8} \\ & \hline 8 \\ & \mathbf{8} \\ & \hline \mathbf{8} \end{aligned}$ | $\begin{aligned} & \frac{0}{\circ} \\ & \frac{\odot}{\circ} \end{aligned}$ | $\begin{aligned} & n \\ & n \\ & n \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\circ} \\ & \stackrel{0}{\circ} \\ & \stackrel{\circ}{\circ} \end{aligned}$ |  | $\begin{aligned} & \text { 응 } \\ & \text { ®8 } \end{aligned}$ | $\begin{aligned} & \text { + } \\ & \stackrel{\rightharpoonup}{6} \\ & \stackrel{+}{\phi} \end{aligned}$ | $\overline{8}$ $\overline{8}$ |  |  | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & 8 \\ & 8 \end{aligned}$ |  |  | $\begin{aligned} & \stackrel{\rightharpoonup}{\circ} \\ & \stackrel{+}{\circ} \\ & \stackrel{+}{\circ} \end{aligned}$ | $\begin{aligned} & \ddot{\circ} \\ & \hline 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \frac{0}{6} \\ & \frac{0}{6} \end{aligned}$ | $\$$ <br> 8 <br>  | $\begin{aligned} & \mathbf{8} \\ & \mathbf{8} \\ & \mathbf{8} \\ & \mathbf{8} \end{aligned}$ |



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\begin{aligned}
& \begin{array}{l}
1985 / A C t \\
010010 \\
063063 \\
003003 \\
007007 \\
052052 \\
020020 \\
003003 \\
004004 \\
047047 \\
028028
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{l}
\text { SECNAV ORDER OF BATTLE REPORT } \\
\text { COUNTRY: UNITED KINGDOM (Continued) }
\end{array} \\
& \begin{array}{l}
1982 / A C T \\
011011 \\
057057 \\
003003 \\
006006 \\
039039 \\
013013 \\
008008 \\
004004 \\
052052 \\
027027
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& 1951 / A C T \\
& 000 \quad 000 \\
& 170170 \\
& 215215 \\
& 410410 \\
& 043043 \\
& 873873 \\
& 145 \quad 145 \\
& 292251
\end{aligned}
$$

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\begin{aligned}
& 292251 \\
& \text { 1959/ACt } \\
& \text { e38 e3s } \\
& 345345 \\
& 665665
\end{aligned}
$$

$$
\begin{aligned}
& 1953 / A C t \\
& 010 \\
& 214 \\
& 214 \\
& 270 \\
& 270 \\
& 501 \\
& 501 \\
& 000 \\
& 000 \\
& 858 \\
& \hline 858 \\
& 185 \\
& \hline 185 \\
& 332
\end{aligned} 253
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\end{aligned}
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& \stackrel{\rightharpoonup}{\sigma}
\end{aligned}
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\begin{aligned}
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& \underline{0}
\end{aligned}
$$

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428 \quad 350
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\begin{aligned}
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& \stackrel{8}{8}
\end{aligned}
$$



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\begin{aligned}
& \text { COUNTRY: SOVIET UNION } \\
& \text { 1950/ACT } \\
& 000000 \\
& \text { ร0z ร0z } \\
& 62 z \text { 6zz } \\
& \begin{array}{l}
\stackrel{8}{+} \\
\stackrel{1}{+}
\end{array} \\
& \begin{array}{l}
\circ \\
\stackrel{8}{8} \\
\stackrel{2}{8}
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \begin{array}{l}
\stackrel{N}{N} \\
\stackrel{N}{N}
\end{array} \\
& 192 \text { s8z } \\
& \begin{array}{l}
1958 / \text { ACT } \\
034034 \\
247247 \\
111111 \\
615 \\
615
\end{array} \\
& \begin{array}{l}
000 \\
\text { S19 } \\
\text { S19 }
\end{array}
\end{aligned}
$$

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\begin{aligned}
& \stackrel{+}{ \pm} \\
& \begin{array}{l}
\text { E } \\
\text { 탕 }
\end{array} \\
& \begin{array}{l}
\text { \% } \\
\text { \% } \\
\text { 8 } \\
\hline
\end{array} \\
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1948 / \text { ACT } \\
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000 \\
9090 \\
999 \\
188 \\
\hline 189 \\
259 \\
259
\end{array} \\
& \begin{array}{l}
1956 / \text { ACt } \\
018018 \\
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\end{array} \\
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1968 / A C T \\
006 & 000 \\
013 & 013 \\
214 & 214 \\
412 & 412 \\
150 & 150 \\
816 & 816 \\
039 & 039 \\
234 & 198 \\
375 & 352 \\
013 & 013 \\
\hline 1976 / A C T
\end{array}
$$

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\begin{array}{ll}
1969 / A C T \\
106 & 106 \\
574 & 574 \\
216 & 216 \\
412 & 412 \\
152 & 152 \\
784 & 784 \\
041 & 041 \\
244 & 244 \\
313 & 313 \\
000 & 006 \\
\hline 1977 / A C T \\
224 & 224 \\
553 & 553 \\
001 & 001 \\
220 & 155 \\
420 & 382 \\
124 & 119 \\
460 & 460 \\
082 & 082 \\
266 & 227 \\
377 & 252 \\
004 & 004
\end{array}
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1983 / A C T \\
152152 \\
628 & 628 \\
003 & 003 \\
225 & 225 \\
410 & 410 \\
196 & 196 \\
331 & 331 \\
081 & 081 \\
322 & 281 \\
351261 \\
\hline 030 & 030
\end{array} \\
& \begin{array}{l}
\text { SECNAV ORDER OF BATTLE REPORT } \\
\text { COUNTRY: SOVIET UNION (Continued) }
\end{array} \\
& \begin{array}{llll}
1981 / A C T & 1982 / A C T \\
150 & 150 & 151 & 151 \\
613613 & 620620 \\
002002 & 003 & 003 \\
179 & 179 & 180 & 180 \\
396 & 396 & 404 & 404 \\
189 & 189 & 170 & 170 \\
403 & 403 & 394 & 394 \\
085085 & 084 & 084 \\
308 & 265 & 318 & 281 \\
362 & 263 & 373 & 275 \\
026 & 026 & 032 & 024
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& 1953 / A C T \\
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 SECNAV ORDER OF BATTLE REPORT

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1081 755260 102021 586146 211070 059008 729198 | N |
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\end{tabular} 1946／ACT $\stackrel{-}{-}$

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1952 / A C T
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$\mathbf{N}$

$\pm$ | $1947 / A C T$ |  |
| :--- | :--- |
| 081 | 064 |
| 721 | 290 |
| 102 | 021 |
| 581 | 151 |
| 191 | 053 |
| 215 | 143 |
| 096 | 008 |
| 764 | 239 |
| 192 | 094 |
| 000 | 000 |
| $1955 / A C T$ |  |
| 097 | 070 |
| 386 | 182 |
| 091 | 024 |
| 674 | 264 |
| 262 | 128 |
| 122 | 043 |
| 077 | 004 |
| 000 | 000 |
| 756 | 356 |
| 181 | 124 |
| 020 | 018 |

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SECNAV ORDER OF BATTLE REPORT
COUNTRY: UNITED STATES (Continued)

| 1964/ACT | 1965/ACT | 1966/ACT |
| :---: | :---: | :---: |
| 078077 | 081076 | 085083 |
| 208136 | 212140 | 354284 |
| 025024 | 026025 | 027024 |
| 225135 | 219137 | 201158 |
| 173096 | 171097 | 166097 |
| 018008 | 015007 | 013012 |
| 084005 | 090011 | 088010 |
| 016016 | 029029 | 037037 |
| 753329 | 766334 | 789332 |
| 108165 | 110106 | 107107 |
| 054040 | 053040 | 052039 |
| 1972/ACT | 1973/ACT | 1974/ACT |
| 062059 | 057053 | 088069 |
| 171093 | 141095 | 107091 |
| 027018 | 025016 | 019014 |
| 124077 | 110068 | 133066 |
| 090050 | 057038 | 046033 |
| 016016 | 015015 | 014014 |
| 079000 | 079000 | 075000 |
| 032032 | 034034 | 041041 |
| 517257 | 482241 | 320197 |
| 103095 | 093086 | 076074 |
| 004004 | 003002 | 003002 |

$$
\begin{array}{ll}
1969 / A C T \\
076 & 076 \\
201 & 131 \\
025 & 022 \\
168 & 155 \\
136 & 090 \\
007 & 007 \\
096 & 000 \\
041 & 041 \\
666 & 325 \\
105 & 105 \\
036 & 036 \\
1977 / A C T \\
079 & 069 \\
113 & 100 \\
019 & 013 \\
067 & 062 \\
035 & 025 \\
009 & 009 \\
075 & 0075 \\
041 & 041 \\
\hline 035
\end{array}
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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { COUNTRY: UNITED STATES (Continued) } \\
& \text { 1982/ACT } \\
& 027027 \\
& 064055 \\
& 018012 \\
& 059059 \\
& 025025 \\
& \begin{array}{l}
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\end{array} \\
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& 035033 \\
& 244190 \\
& \begin{array}{l}
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& \begin{array}{l}
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\end{array} \\
& \begin{array}{l}
1981 / \text { ACT } \\
086076 \\
316093 \\
019013 \\
065065 \\
025025 \\
010003
\end{array} \\
& 074000 \\
& 038036 \\
& \begin{array}{l}
256202 \\
093687
\end{array} \\
& \begin{array}{l}
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\text { \% } \\
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\end{array} \\
& \begin{array}{ll}
1980 / A C T \\
028 & 028 \\
090 & 077 \\
019 & 013 \\
063063 \\
025 & 025 \\
005 & 003 \\
076 & 006 \\
041 & 041 \\
241 & 196 \\
084 & 081 \\
002001
\end{array}
\end{aligned}
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& 075063 \\
& 343101 \\
& 018014 \\
& 063062 \\
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& 010006 \\
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& 038037 \\
& 282217 \\
& 104103 \\
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APPENDIX D

## ORDERS OF BATTLE BY YEAR AND SHIP TYPE

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& 011{ }^{\mathrm{PO}} 011 \\
& \begin{array}{c}
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002{ }^{\mathrm{PO}} \\
003
\end{array} \\
& { }_{002}{ }^{\mathrm{DA}} \mathrm{en}^{002} \\
& 011{ }^{\text {PO }} 011 \\
& \text { ธ̊ }
\end{aligned}
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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { YEAR: } 1949 \\
& \text { TOT/ACT } \\
& \psi_{0}^{8} \begin{array}{r}
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\end{array} \\
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\end{aligned}
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& \begin{array}{c}
\text { FR } \\
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\end{array} \\
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\end{array} \\
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\begin{aligned}
& \text { YEAR: } 1949 \text { (Continued) }
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& \text { YEAR: } 1950
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& \text { YEAR: } 1951 \text { (Continued) }
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\begin{aligned}
& \text { YEAR: } 1952
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& \text { SECNAV ORDER OF BATtLE REPORT } \\
& \text { YEAR: } 1955 \\
& \begin{array}{l}
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\text { 1OT/ACT }
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& \text { SECNAV ORDER OF BATTLE REPORT }
\end{aligned}
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& \text { YEAR: } 1957 \\
& \text { TOT/ACT }
\end{aligned}
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\begin{aligned}
& \text { TOT/ACT }
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\text { FR } \\
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\end{array} \\
& \begin{array}{r}
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& { }_{3}^{\text {FR }} \\
& \text { in } \\
& 025025 \\
& \text { TOT/ACT } \\
& \begin{array}{c}
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& \text { YEAR: } 1957 \text { (Continued) }
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| SECNAV ORDER OF BATTLE REPORT |  |  |  |  |  |  |  |  |  |  |
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| YEAR: 1958 (Continued) |  |  |  |  |  |  |  |  |  |  |
| PC | $\begin{gathered} \text { AS } \\ 000 \end{gathered}$ | $\begin{gathered} \text { 日E } \\ 000 \end{gathered}$ | ${ }_{015}^{\mathrm{CA}}{ }_{012}$ | $\begin{gathered} \text { OA } \\ 012012 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 034 \\ 034 \end{gathered}$ | $006{ }^{\text {GE }} 003$ | $\begin{gathered} \text { GR } \\ 007607 \end{gathered}$ | $004_{000}^{\text {IC }}$ | $0311^{11}$ | $106040$ |
| PC | $\begin{gathered} \mathrm{NL} \\ 012012 \end{gathered}$ | $004{ }^{\mathrm{NO}} \mathrm{e04}$ | ${ }_{000^{N Z}}$ | $\begin{gathered} \mathrm{PO} \\ 020 \\ \hline 020 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 013 \stackrel{0}{2} \end{gathered}$ | $\begin{gathered} \text { TU } \\ 0000^{2} \end{gathered}$ | $\begin{gathered} \text { UK } \\ 0000_{000} \end{gathered}$ | $\begin{gathered} \text { UR } \\ 000000 \end{gathered}$ | US 123029 |  |
| PF | $\begin{gathered} \text { AS } \\ 013013 \end{gathered}$ | ${ }_{000}^{8 E} 800$ | ${ }_{008}^{C A}$ | $\begin{gathered} \mathrm{DA} \\ 029029 \end{gathered}$ | ${ }_{033}{ }_{0}^{\text {FR }}$ | $\stackrel{\text { GE }}{071 \stackrel{1}{e 71}}$ | $\begin{gathered} \text { GR } \\ 016 \quad 016 \end{gathered}$ | $\underset{004}{\text { IC }}$ | ${ }_{035}^{11} 035$ | $053^{\mathrm{JA}} \mathrm{e09}$ |
| PF | ${ }_{000}{ }_{000}^{\mathrm{NL}}$ | $\begin{gathered} \mathrm{NO} \\ 027 \\ \hline 27 \end{gathered}$ | $\begin{gathered} \text { NZ } \\ 014 \end{gathered}$ | $003^{\text {PO }} 003$ | $\stackrel{\text { SP }}{029}{ }^{027}$ | $\underset{028}{\text { TU }} 028$ | $\begin{gathered} \text { UK } \\ 037037 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 999999 \end{gathered}$ | $\begin{gathered} \text { US } \\ 085004 \end{gathered}$ |  |
| SB | $\underset{000}{\mathrm{AS}}$ | $00 e^{8 \varepsilon}$ | $\begin{gathered} \text { CA } \\ 000 \\ \hline 000 \end{gathered}$ | $\begin{gathered} \text { DA } \\ 0000_{000} \end{gathered}$ | $\begin{gathered} \text { FR } \\ 000 \\ \hline 000 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 000 \stackrel{0}{00} \end{gathered}$ | $\begin{gathered} \text { GR } \\ 000 \quad 000 \end{gathered}$ | $\stackrel{\text { IC }}{000}{ }_{000}$ | $\begin{gathered} 17 \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { JA } \\ 000000 \end{gathered}$ |
| S8 | $\stackrel{\mathrm{NL}}{000}$ | $000^{\mathrm{NO}} \mathbf{0 0 0}$ | $00 e^{\mathrm{NZ}} \mathbf{0 0 0}$ | $\begin{gathered} \text { PO } \\ 000800 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 0000_{060} \end{gathered}$ | $\begin{gathered} \text { TU } \\ 0000^{2} \end{gathered}$ | $\begin{gathered} \text { UK } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 004004 \end{gathered}$ | $\begin{gathered} \text { US } \\ 000 \quad 000 \end{gathered}$ |  |
| SC | $\begin{gathered} \text { AS } \\ 022 \quad 622 \end{gathered}$ | $\begin{gathered} \mathrm{BE} \\ 80 e^{80 e} \end{gathered}$ | ${ }_{051}^{C A}{ }_{051}$ | $\begin{gathered} \text { DA } \\ 010 \\ 010 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 058 \quad 058 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 011^{0} 010 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 017017 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 0000^{200} \end{gathered}$ | ${ }_{029}^{1 T} 029$ | $\begin{gathered} \text { JA } \\ 040 \quad 034 \end{gathered}$ |
| SC | $e 28^{\mathrm{NL}} \mathrm{e28}$ | ${ }_{012}{ }^{\text {NO }}$ | $\begin{gathered} \text { NZ } \\ 0088^{0} 8 \end{gathered}$ | $\stackrel{\text { PO }}{024}{ }_{024}$ | $\begin{gathered} \text { SP } \\ 039 \bigcirc 38 \end{gathered}$ | ${ }_{013}^{T U} 013$ | ${ }_{183}^{\text {UK }} 183$ | $\begin{gathered} \text { UR } \\ 173 \quad 173 \end{gathered}$ | $\begin{gathered} \text { US } \\ 694 \quad 334 \end{gathered}$ |  |
| SS | $003^{\text {AS }} 003$ | $\begin{gathered} 8 E \\ 80 e^{800} \end{gathered}$ | $\underset{000}{\mathrm{CA}}$ | $\begin{gathered} \text { OA } \\ 001 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 016 \quad 016 \end{gathered}$ | ${ }_{003}^{\mathrm{GE}} \mathbf{0 0 3}$ | $\begin{gathered} \text { GR } \\ 004804 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \end{gathered}$ | ${ }_{0}^{11}$ | $001 \stackrel{J A}{001}$ |
| SS | ${ }_{004}^{\mathrm{NL}} 004$ | $808{ }^{\mathrm{NO}}$ | ${ }_{000}^{\mathrm{NZ}} \mathbf{0 0 0}$ | $004{ }^{P 0}{ }_{064}$ | $\begin{gathered} \text { SP } \\ 006 \end{gathered}$ | $\begin{gathered} \text { TU } \\ 007 \\ \hline 007 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 047 \\ 047 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 459362 \end{gathered}$ | US |  |
| SX | $\begin{gathered} \text { AS } \\ 000 \end{gathered}$ | $\begin{gathered} 8 E \\ 00 e^{60 e} \end{gathered}$ | $\begin{gathered} \text { CA } \\ 000 \end{gathered}$ | $\begin{gathered} \mathrm{DA} \\ 000 \\ \hline 000 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 600-000 \end{gathered}$ | ${ }_{000}^{\text {IC }}$ | $\stackrel{11}{1 T}$ | $00 e^{\mathrm{JA}} \mathrm{eve}$ |
| SX | ${ }_{001}{ }^{\mathrm{NL}} \mathbf{0 0 1}$ | $\begin{gathered} \mathrm{NO} \\ 000 \end{gathered}$ | $\begin{gathered} \text { NZ } \\ 000 \end{gathered}$ | $\begin{gathered} \text { PO } \\ 000800 \end{gathered}$ | $004{ }^{\text {SP }} 004$ | $\begin{gathered} \text { TU } \\ 000 \\ 000 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 005005 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 000 \end{gathered}$ | $\begin{gathered} \text { US } \\ 020 \quad 016 \end{gathered}$ |  |

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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { YEAR: } 1959 \text { (ContInued) } \\
& \begin{array}{c}
\text { GE } \\
004 \\
\hline 001
\end{array} \\
& { }_{010}{ }^{\text {TU }} 010 \\
& \begin{array}{c}
\text { GE } \\
1166_{16} \\
020 \\
020
\end{array} \\
& \begin{array}{c}
\text { GE } \\
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\text { GE } \\
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\\
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\end{array}
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& \begin{array}{c}
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036
\end{array} \\
& \begin{array}{c}
\text { SP } \\
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\text { SP }
\end{array}
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& \begin{array}{c}
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\end{array} \\
& 0100^{010} \\
& \begin{array}{c}
\text { PO } \\
020 \\
020
\end{array} \\
& \begin{array}{c}
\text { DA } \\
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& { }_{003}{ }^{\text {PO }} 003
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& \begin{array}{c}
\mathrm{PO} \\
027 \\
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\end{array} \\
& \begin{array}{c}
\text { DA } \\
002002
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& 003{ }^{\text {PO }} 003 \\
& \begin{array}{rr}
8 & 8 \\
18 & 88 \\
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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT }
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\text { YEAR: } 1961 \text { (ContInued) }
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& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { YEAR: } 1962 \text { (Continued) }
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& 0133^{\text {SP }} 013 \\
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& { }_{000}{ }^{\text {FR }} \mathbf{0 0 0} \\
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& { }_{020}{ }^{P O} 020 \\
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\end{array} \\
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\mathrm{PO}_{200} 000
\end{array} \\
& { }_{0}{ }^{\mathrm{DA}} \mathbf{6 0 5} \\
& { }^{\mathrm{PO}} \mathrm{O} 28 \\
& 028028 \\
& { }^{203}{ }^{\mathrm{DA}} 003 \\
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& \text { SECNAV ORDER OF BATTLE REPORT }
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& \text { YEAR: } 1965 \text { (Continued) }
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SECNAV ORDER OF BATTLE REPORT

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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { YEAR: } 1967 \\
& \begin{array}{c}
\text { TOT/ACT } \\
\text { FR } \\
010810 \\
\text { SP }
\end{array} \\
& 003003 \\
& { }^{\text {N }} \\
& \begin{array}{r}
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\stackrel{8}{8} \\
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\end{array} \\
& 003{ }^{\text {FR }} \mathbf{0 0 3} \\
& 000^{\text {SP }} 000 \\
& \begin{array}{c}
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& \begin{array}{r}
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\end{array}
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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { YEAR: } 1967 \text { (Continued) } \\
& \begin{array}{c}
\text { GE } \\
016606
\end{array} \\
& 2 \underset{\frac{n}{0}}{\frac{n}{0}} \\
& 071071
\end{aligned}
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\text { GE } \\
0222_{022} \\
010010
\end{array} \\
& \begin{array}{c}
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& \begin{array}{c}
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021{ }^{\mathrm{PO}} 021
\end{array} \\
& \begin{array}{c}
\mathrm{DA} \\
004 \stackrel{004}{ } \\
003 \mathrm{PO} 003
\end{array} \\
& \begin{array}{rr}
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\end{array} \\
& \begin{array}{c}
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& { }_{060} 8.800 \\
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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YEAR: 1970 (ContInued) |  |  |  |  |  |  |  |  |  |  |
| PC | $\begin{gathered} \text { AS } \\ 000^{000} \end{gathered}$ | $\begin{gathered} B E \\ 000 \end{gathered}$ | $\begin{gathered} \text { CA } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \mathrm{DA} \\ 004 \quad 004 \end{gathered}$ | $\begin{gathered} F R \\ 015 \quad 015 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 005005 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 007 \quad 007 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 005^{0} 00 \end{gathered}$ | $021^{11} 021$ | $\begin{gathered} \mathrm{JA} \\ 079 \end{gathered}$ |
| PC | $011^{\mathrm{NL}} 011$ | ${ }_{008}^{\mathrm{NO}} \mathrm{e08}$ | $000^{\mathrm{NZ}} 000$ | $\begin{gathered} \text { PO } \\ 033 \quad 033 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 015015 \end{gathered}$ | $\mathrm{TU}_{012}^{\mathrm{TU}}$ | $\underset{001}{U_{0}}$ | ${ }_{144}^{\text {UR }} 144$ | $\begin{gathered} \text { US } \\ 014014 \end{gathered}$ |  |
| PF | $\begin{gathered} A S \\ 023 \quad 023 \end{gathered}$ | 8E | ${ }_{020}{ }^{C A}$ | $\begin{gathered} \mathrm{DA} \\ 052052 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 008{ }_{0} 068 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 040^{040} \end{gathered}$ | $\begin{gathered} \text { GR } \\ 012012 \end{gathered}$ | ${ }_{000}^{\text {IC }} 000$ | $008 \stackrel{\text { IT }}{008}$ | $124 \stackrel{\mathrm{JA}}{037}$ |
| PF | ${ }_{000}^{\mathrm{NL}} \mathbf{0 0 0}$ | ${ }_{046}{ }^{\mathrm{NO}} \mathrm{e46}$ | ${ }_{012}{ }^{\mathrm{NZ}} \mathbf{0 1 2}$ | ${ }_{030}{ }^{\mathrm{PO}} 030$ | ${ }_{017}{ }^{S P}{ }_{017}$ | ${ }_{053}^{\text {TU }} 053$ | $\begin{gathered} \text { UK } \\ 007007 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 770770 \end{gathered}$ | $\begin{gathered} \text { US } \\ 100000 \end{gathered}$ |  |
| S8 | $\begin{gathered} \text { AS } \\ 000 \quad 000 \end{gathered}$ | $000^{8 E}$ | ${ }_{000}^{\text {CA }} 800$ | ${ }_{000}^{\mathrm{DA}} 000$ | $\begin{gathered} \text { FR } \\ 000 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 0000^{-0} \end{gathered}$ | $\begin{gathered} \text { GR } \\ 000600 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \\ 000 \end{gathered}$ | $000_{000}^{1 T}$ | $000 \stackrel{\mathrm{JA}}{000}$ |
| S8 | $000^{\mathrm{NL}} 000$ | ${ }_{000}{ }^{\mathrm{NO}}$ | $000^{N Z}$ | ${ }_{000}{ }^{\text {PO }}$ | $\begin{gathered} \text { SP } \\ 000 \end{gathered}$ | $\begin{gathered} \text { TU } \\ 0000^{\text {TU }} \end{gathered}$ | $\underset{004}{\text { UK }}$ | $\begin{gathered} \text { UR } \\ 047047 \end{gathered}$ | $\begin{gathered} \text { US } \\ 041041 \end{gathered}$ |  |
| SC | $\begin{gathered} \text { AS } \\ 016 \quad 016 \end{gathered}$ | $\stackrel{B E}{00 e^{800}}$ | $\begin{gathered} C A \\ 020 \end{gathered}$ | $\begin{gathered} \mathrm{DA} \\ 008 \\ \hline 006 \end{gathered}$ | $\begin{gathered} F R \\ 049 \\ \hline 649 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 035 \quad 035 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 012012 \end{gathered}$ | ${ }_{000}^{\text {IC }}$ | $\begin{gathered} \text { It } \\ 033 \end{gathered}$ | $\begin{gathered} \mathrm{JA} \\ 048 \mathrm{O} \end{gathered}$ |
| SC | $\begin{gathered} \mathrm{ML} \\ 020-020 \end{gathered}$ | ${ }_{005}^{\mathrm{NO}} \mathrm{e05}$ | $\begin{gathered} \mathrm{NZ} \\ 005^{205} \end{gathered}$ | $\begin{gathered} \mathrm{PO} \\ 022 \quad \mathrm{e22} \end{gathered}$ | $\begin{gathered} \text { SP } \\ 032 \quad 032 \end{gathered}$ | ${ }_{0}^{\text {TU }} 019$ | $\begin{gathered} \text { UK } \\ 094 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 247247 \end{gathered}$ | $\begin{gathered} \text { US } \\ \\ 579 \quad 276 \end{gathered}$ |  |
| SS | $\begin{gathered} \text { AS } \\ 004804 \end{gathered}$ | ${ }_{000^{\mathrm{BE}}}$ | ${ }_{004}^{C A}$ | $\begin{gathered} \mathrm{DA} \\ 005005 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 018 \quad 818 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 012{ }^{2} 012 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 002 \quad \text { e02 } \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \end{gathered}$ | $00 \stackrel{1 T}{008}^{0}$ | $010^{J A} 010$ |
| SS | $\begin{gathered} \text { NL } \\ 006 \quad 006 \end{gathered}$ | $015{ }^{\mathrm{NO}} \mathrm{e15}$ | ${ }_{000}{ }^{\mathrm{NZ}} \mathbf{0 0 0}$ | $\begin{gathered} \text { PO } \\ 004{ }^{004} \end{gathered}$ | $\begin{gathered} \text { SP } \\ 008 \end{gathered}$ | $\begin{gathered} \text { TU } \\ 010 \quad 010 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 030030 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 338 \quad 297 \end{gathered}$ | $\begin{gathered} \text { US } \\ 103 \quad 101 \end{gathered}$ |  |
| SX | $\begin{gathered} \text { AS } \\ 000-000 \end{gathered}$ | $\begin{gathered} \text { 日E } \\ 000 \end{gathered}$ | ${ }_{000}^{C A} 800$ | $\begin{gathered} \mathrm{DA} \\ 000 \\ \hline 000 \end{gathered}$ | $001^{\text {FR }} 001$ | $\begin{gathered} \text { GE } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 000 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \end{gathered}$ | $\stackrel{\text { IT }}{000}$ | $\begin{gathered} \mathrm{JA} \\ 000 \\ \hline 000 \end{gathered}$ |
| SX | $\begin{gathered} \text { NL } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \mathrm{NO} \\ 000 \end{gathered}$ | ${ }_{000}{ }^{\mathrm{NZ}} 000$ | $\begin{gathered} \text { PO } \\ 000 \end{gathered}$ | $000_{000}^{\text {SP }}$ | $\begin{gathered} \text { TU } \\ 000 \\ 000 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 000600 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 005005 \end{gathered}$ | $\begin{gathered} \text { US } \\ 026 \quad 026 \end{gathered}$ |  |

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& \text { YEAR: } 1971 \\
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| V ORDER OF BATTLE RYEAR: 1971 (Continued) |  |  |  |  |  |  |  |  |  |  |
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| PC | ${ }_{003}{ }^{A 5} 803$ | $\begin{gathered} \mathrm{BE} \\ 00 e^{800} \end{gathered}$ | ${ }_{000}^{\mathrm{CA}}$ | $004{ }^{\mathrm{DA}} 004$ | $\begin{gathered} F R \\ 015015 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 005005 \end{gathered}$ | ${ }_{005}^{\text {GR }} 005$ | $\underset{005}{\text { IC }} 000$ | $021^{1 T}$ | $\begin{gathered} \text { JA } \\ 089020 \end{gathered}$ |
| PC | $011^{\text {NL }} 011$ | ${ }_{008}{ }^{\text {NO }} 008$ | $001^{\mathrm{NZ}} 001$ | $\begin{gathered} \text { PO } \\ 0333^{033} \end{gathered}$ | $\begin{gathered} \text { SP } \\ 012 \quad 012 \end{gathered}$ | ${ }_{012}^{\mathrm{TU}} \mathrm{O}_{12}$ | $\underset{001}{\substack{\text { UK } \\ 001}}$ | $\begin{gathered} \text { UR } \\ 225090 \end{gathered}$ | $\begin{gathered} \text { US } \\ 017 \end{gathered}$ |  |
| PF | $\begin{gathered} A S \\ 018 \quad 18 \end{gathered}$ | $\begin{gathered} \text { BE } \\ 000 \quad 000 \end{gathered}$ | ${ }_{020}{ }^{\mathrm{CA}} 001$ | $\begin{gathered} \mathrm{DA} \\ 058-958 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 007 \mathbf{c o g}^{207} \end{gathered}$ | $\begin{gathered} G E \\ 040 \quad 040 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 013 \quad 013 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000000 \end{gathered}$ | $\begin{gathered} \text { IT } \\ 020 \end{gathered}$ | $137 \mathrm{JA} 010$ |
| PF | $\begin{gathered} \text { NL } \\ 000 \end{gathered}$ | $\begin{gathered} \mathrm{NO} \\ 046046 \end{gathered}$ | $012012$ | $\begin{gathered} \text { PO } \\ 0400_{0} \end{gathered}$ | $\stackrel{\text { SP }}{020} 020$ | $\begin{gathered} \text { TU } \\ 053 \\ 053 \end{gathered}$ | ${ }_{007}^{U K}$ | $\begin{gathered} \text { UR } \\ 634634 \end{gathered}$ | $\begin{gathered} \text { US } \\ 079000 \end{gathered}$ |  |
| SB | $\begin{gathered} A S \\ 000 \quad 600 \end{gathered}$ | $\begin{gathered} \text { BE } \\ 0000^{0} \end{gathered}$ | $\begin{gathered} \text { CA } \\ 000600 \end{gathered}$ | $\begin{gathered} \mathrm{DA} \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 000 \end{gathered}$ | $\begin{gathered} \mathrm{GE} \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 0000 \end{gathered}$ | $000^{\text {IC }} 000$ | $\begin{gathered} \text { IT } \\ 0000^{000} \end{gathered}$ | $\text { coe JA } 000$ |
| SB | ${ }_{000}^{\mathrm{NL}} 000$ | $00{ }^{\mathrm{NO}}$ | $\begin{gathered} \mathrm{NZ} \\ 000800 \end{gathered}$ | $\begin{gathered} \text { PO } \\ 000800 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 800800 \end{gathered}$ | $\begin{gathered} \text { TU } \\ 000 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 004 \\ 004 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 052 \quad 052 \end{gathered}$ | $\begin{gathered} \text { US } \\ 041 \quad 041 \end{gathered}$ |  |
| SC | $\begin{gathered} \text { AS } \\ 015015 \end{gathered}$ | $\begin{aligned} & 1 \quad \text { 日E } \\ & 000 \quad 000 \end{aligned}$ | $\begin{gathered} \mathrm{CA} \\ 020 \end{gathered}$ | $\begin{gathered} \mathrm{DA} \\ 006 \quad 006 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 049849 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 023 \begin{array}{c} \text { e23 } \end{array} \end{gathered}$ | $\begin{gathered} \text { GR } \\ 016010 \end{gathered}$ | ${ }_{000}^{\text {IC }} 000$ | ${ }_{027}^{1 T} 027$ | $050_{040}^{J A}$ |
| SC | $\begin{gathered} \mathrm{NL} \\ 020 \end{gathered}$ | $\begin{gathered} \text { NO } \\ 008 \end{gathered}$ | $\begin{gathered} \text { NZ } \\ 0044^{004} \end{gathered}$ | $\begin{gathered} \text { PO } \\ 027{ }^{2} 027 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 029 \quad 029 \end{gathered}$ | $\begin{gathered} \text { TU } \\ 020 \end{gathered}$ | $\underset{079}{\text { UK }} 079$ | $\begin{gathered} \text { UR } \\ 247 \quad 245 \end{gathered}$ | $\begin{gathered} \text { US } \\ 564266 \end{gathered}$ |  |
| SS | $\begin{gathered} \text { AS } \\ 0044^{0} \end{gathered}$ | $00{ }^{8 E} 800$ | ${ }_{004}^{\mathrm{CA}}$ | $\begin{gathered} \mathrm{DA} \\ 006{ }^{006} \end{gathered}$ | $\begin{gathered} \text { FR } \\ 019 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 012{ }_{012} \end{gathered}$ | $\begin{gathered} \text { GR } \\ 002{ }^{0} 02 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \end{gathered}$ | $010^{1 T} 010$ | $011^{J A} 011$ |
| SS | $\begin{gathered} \text { NL } \\ 005005 \end{gathered}$ | ${ }_{015}{ }^{\text {NO }} 015$ | $\begin{gathered} \text { NZ } \\ 0000_{000} \end{gathered}$ | $\begin{gathered} \text { PO } \\ 004{ }^{004} \end{gathered}$ | $\begin{gathered} \text { SP } \\ 005{ }^{\mathbf{0}} . \end{gathered}$ | $\begin{gathered} \text { TU } \\ 010 \quad 010 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 030 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 336 \quad 295 \end{gathered}$ | $\begin{gathered} \text { US } \\ 104 \end{gathered}$ |  |
| SX | $\xrightarrow[000]{\text { AS }} \mathbf{6 0 0}$ | $\begin{gathered} \mathrm{BE} \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} C A \\ 000 \end{gathered}$ | $\begin{gathered} \mathrm{DA} \\ 000 \\ 000 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 001801 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 000 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000000 \end{gathered}$ | $\stackrel{\text { IT }}{000}$ | $000 \stackrel{\mathrm{JA}}{000}$ |
| SX | $\begin{gathered} \mathrm{NL} \\ 000 \end{gathered}$ | $\begin{gathered} \text { NO } \\ 000 \end{gathered}$ | $000^{N Z}$ | $\begin{gathered} \text { PO } \\ 000 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 0000 \end{gathered}$ | $\begin{gathered} \text { TU } \\ 000{ }^{000} \end{gathered}$ | $\begin{gathered} \text { UK } \\ 000000 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 005005 \end{gathered}$ | $\begin{gathered} \text { US } \\ 025021 \end{gathered}$ |  |



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\text { YEAR: } 1972 \text { (Continued) }
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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT }
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& \text { SECNAV ORDER OF BATTLE REPORT }
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\begin{aligned}
& \text { YEAR: } 1975
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|  | YEAR: 1975 (Continued) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PC | $\begin{gathered} \text { AS } \\ 0000^{2} \end{gathered}$ | $\begin{gathered} \text { 日E } \\ 00 e^{600} \end{gathered}$ | ${ }_{006}^{C A} 006$ | $005005$ | $\begin{gathered} \text { FR } \\ 023 \quad 023 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 053045 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 009 \quad 009 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 007{ }_{000} \end{gathered}$ | $010^{17} 010$ | $080^{\text {JA }} 008$ |
| PC | $011^{\mathrm{NL}} 011$ | ${ }_{008}{ }^{\text {NO }}$ | $000^{\text {NZ }} 000$ | $\begin{gathered} \mathrm{PO} \\ 028{ }^{\mathrm{PO}} \end{gathered}$ | $\begin{gathered} \text { SP } \\ 012{ }_{012} \end{gathered}$ | $\begin{gathered} \text { TU } \\ 008{ }_{0} 008 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 006006 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 114108 \end{gathered}$ | $\begin{gathered} \text { US } \\ 013013 \end{gathered}$ |  |
| PF | $\begin{gathered} \text { AS } \\ 017817 \end{gathered}$ | $\begin{gathered} \mathrm{BE} \\ 00 e^{\mathbf{0} \cdot 0} \end{gathered}$ | $\begin{gathered} C A \\ 018001 \end{gathered}$ | $\begin{gathered} D A \\ 048 \quad 048 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 008008 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 039 \quad 039 \end{gathered}$ | $\begin{gathered} G R \\ 012012 \end{gathered}$ | ${ }_{000}^{\text {IC }}$ | $011^{I T} 011$ | $\begin{gathered} \mathrm{JA} \\ 214{ }^{014} \end{gathered}$ |
| PF | $000^{\mathrm{NL}} 000$ | $\begin{gathered} \mathrm{NO} \\ 046 \quad 046 \end{gathered}$ | $015^{\mathrm{NZ}} 015$ | $\begin{gathered} \text { PO } \\ 027 \quad 027 \end{gathered}$ | $\begin{gathered} \mathrm{SP} \\ 026 \quad 026 \end{gathered}$ | $\begin{gathered} \text { TU } \\ 037 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 006006 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 513513 \end{gathered}$ | $\begin{aligned} & \text { US } \\ & 075000 \end{aligned}$ |  |
| SB | ${ }_{000}{ }^{\text {AS }}$ | $\begin{gathered} B E \\ 000 \quad 000 \end{gathered}$ | ${ }_{000}^{\mathrm{CA}} 000$ | $\begin{gathered} \text { DA } \\ 000 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 003{ }^{\text {en }} \end{gathered}$ | $\begin{gathered} \text { GE } \\ 000 \\ \hline 000 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 000{ }^{6} 000 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \end{gathered}$ | $000^{\text {IT }} 000$ | $000 \text { JA } 000$ |
| S日 | $\begin{gathered} \mathrm{NL} \\ 000 \\ \hline 000 \end{gathered}$ | $\stackrel{N 0}{\mathrm{NO}}$ | $\begin{gathered} \mathrm{NZ} \\ 000^{200} \end{gathered}$ | $\begin{gathered} \text { PO } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 000{ }_{000} \end{gathered}$ | $\begin{gathered} \text { TU } \\ 000{ }_{0} 000 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 004{ }_{0} 004 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 077 \quad 076 \end{gathered}$ | US |  |
| SC | $\begin{gathered} \text { AS } \\ 011^{011} \end{gathered}$ | $\begin{gathered} B E \\ 000^{800} \end{gathered}$ | ${ }_{021}^{\mathrm{CA}}{ }_{021}$ | $\begin{gathered} \mathrm{DA} \\ 008 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 045 \stackrel{45}{0} \end{gathered}$ | $\begin{gathered} \text { GE } \\ 018 \quad 018 \end{gathered}$ | $\begin{gathered} G R \\ 015015 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \end{gathered}$ | $027_{027}^{1 T}$ | $051 \quad \text { JA } 045$ |
| SC | $017^{\mathrm{NL}} 017$ | ${ }_{005}{ }^{\mathrm{NO}}$ | ${ }_{006}^{\mathrm{NZ}}{ }_{006}$ | $\begin{gathered} \text { PO } \\ 023{ }_{023} \end{gathered}$ | $\begin{gathered} \text { SP } \\ 030{ }_{030} \end{gathered}$ | $\begin{gathered} \text { TU } \\ 016{ }^{2} 016 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 073073 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 260 \quad 221 \end{gathered}$ | ${ }_{245} \text { US } 189$ |  |
| SS | $\begin{gathered} \text { AS } \\ 004 \end{gathered}$ | $\begin{gathered} \mathrm{BE} \\ 00 e^{e 0 e} \end{gathered}$ | $\underset{004}{\mathrm{CA}}$ | $\begin{gathered} \mathrm{DA} \\ 006006 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 018018 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 0244^{024} \end{gathered}$ | $\begin{gathered} G R \\ 007007 \end{gathered}$ | ${ }_{000}^{\text {IC }} 000$ | $010^{\text {IT }} 010$ | $015015$ |
| SS | $006{ }^{\mathrm{NL}} 006$ | $\begin{gathered} \text { NO } \\ 015{ }^{015} \end{gathered}$ | $\begin{gathered} \text { N2 } \\ 0000^{2} 000 \end{gathered}$ | $\begin{gathered} \text { PO } \\ 004 \quad 004 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 012{ }^{-12} \end{gathered}$ | $\begin{gathered} \text { TU } \\ 014 \quad 014 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 029029 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 348 \quad 259 \end{gathered}$ | $\begin{gathered} \text { US } \\ 077 \quad 075 \end{gathered}$ |  |
| SX | $\begin{gathered} \text { AS } \\ 000 \end{gathered}$ | $\text { 80e } 800$ | $\begin{gathered} C A \\ 000 \end{gathered}$ | $\begin{gathered} \text { DA } \\ 000000 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 001{ }^{001} \end{gathered}$ | $\begin{gathered} \text { GE } \\ 000 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 000 \quad 000 \end{gathered}$ | ${ }_{000_{000}^{\text {IC }}}$ | $\begin{gathered} \text { IT } \\ 000 \\ \hline 000 \end{gathered}$ | $\begin{gathered} \text { JA } \\ 0000^{2} \end{gathered}$ |
| SX | ${ }_{000}{ }^{\text {NL }} 000$ | $\begin{gathered} \text { No } \\ 000 \end{gathered}$ | ${ }_{000}^{\mathrm{NZ}} 000$ | $\begin{gathered} \text { PO } \\ 000 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 000{ }^{2} 000 \end{gathered}$ | $\begin{gathered} \text { TU } \\ 000 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 000000 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 004 \stackrel{0}{0} 4 \end{gathered}$ | $\begin{gathered} \text { US } \\ 003 \text { e02 } \end{gathered}$ |  |

SECNAV ORDER OF BATTLE REPORT


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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { YEAR: } 1977
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| SECNAV ORDER OF BATTLE REPORT |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| YEAR: 1977 (ContInued) |  |  |  |  |  |  |  |  |  |  |
| PC | $\begin{gathered} \text { AS } \\ 0000^{200} \end{gathered}$ | $\begin{gathered} \text { BE } \\ 000-600 \end{gathered}$ | $\underset{006{ }_{006}^{C A}}{ }$ | $\begin{gathered} \text { DA } \\ 003003 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 026{ }_{026} \end{gathered}$ | $\begin{gathered} \text { GE } \\ 053045 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 0111_{011} \end{gathered}$ | $\begin{gathered} \text { IC } \\ 006 \\ 000 \end{gathered}$ | $011_{011}^{I T}$ | $078{ }_{016}^{J A}$ |
| PC | $011^{\mathrm{NL}} 011$ | $\begin{gathered} \mathrm{NO} \\ 009{ }_{003} \end{gathered}$ | $000_{000}^{\mathrm{NZ}}$ | $\begin{gathered} \text { PO } \\ 010 \quad 010 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 010 \end{gathered}$ | $\begin{gathered} \text { TU } \\ 011011 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 011011 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 124119 \end{gathered}$ | $\begin{gathered} \text { US } \\ 009 \end{gathered}$ |  |
| PF | $012^{\text {AS }} 012$ | $\begin{gathered} \text { BE } \\ 000 \quad 600 \end{gathered}$ | ${ }_{014}^{C A} 008$ | $\begin{gathered} \text { DA } \\ 050 \quad 050 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 016 \quad 016 \end{gathered}$ | $\begin{gathered} \text { CE } \\ 008008 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 033 \quad 033 \end{gathered}$ | ${ }_{000^{\text {IC }} 000}$ | $\begin{gathered} \text { IT } \\ 009 \\ \hline 009 \end{gathered}$ | $139^{\text {JA }} 015$ |
| PF | $000^{\mathrm{NL}} 000$ | $\begin{gathered} \text { NO } \\ 060-660 \end{gathered}$ | ${ }_{008}{ }^{\mathrm{NZ}}$ | $\begin{gathered} \text { PO } \\ 018 \quad 016 \end{gathered}$ | $\stackrel{S P}{014}{ }_{014}$ | ${ }_{052}^{T U} 052$ | $\begin{gathered} \text { UK } \\ 006006 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 460460 \end{gathered}$ | $\begin{gathered} \text { US } \\ 075000 \end{gathered}$ |  |
| SB | ${ }_{000}{ }^{\text {AS. }}$ | $\begin{gathered} \text { BE } \\ 000800 \end{gathered}$ | $\underset{000}{\mathrm{CA}}$ | $\begin{gathered} \text { DA } \\ 000800 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 004 \\ 004 \end{gathered}$ | $\stackrel{\text { GE }}{000}$ | $\begin{gathered} \text { GR } \\ 000000 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \end{gathered}$ | $000^{1 T} 000$ | $000_{000}^{\mathrm{JA}}$ |
| SB | $00 e^{\mathrm{NL}} 900$ | $\begin{gathered} \text { NO } \\ 000 \text { ece } \end{gathered}$ | $00 e^{\mathrm{NZ}}$ | $\begin{gathered} \text { PO } \\ 000000 \end{gathered}$ | ${ }_{006}{ }^{\text {SP }}$ | $\begin{gathered} \text { TU } \\ 000 \\ \hline 000 \end{gathered}$ | $004004$ | $\begin{gathered} \text { UR } \\ 082082 \end{gathered}$ | $\begin{gathered} \text { US } \\ 041 \quad 041 \end{gathered}$ |  |
| SC | $011^{\text {AS }} 011$ | $\begin{gathered} \mathrm{BE} \\ 000 \quad 000 \end{gathered}$ | ${ }_{023}^{C A}$ | $\begin{gathered} \text { DA } \\ 007007 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 049049 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 018^{018} \end{gathered}$ | $\begin{gathered} \text { GR } \\ 016 \quad 016 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \text { e00 } \end{gathered}$ | $\begin{gathered} 1 \mathrm{~T} \\ 027027 \end{gathered}$ | $056{ }^{\mathrm{JA}} 046$ |
| SC | $\begin{gathered} \text { NL } \\ 018018 \end{gathered}$ | $\begin{gathered} \text { NO } \\ 005 \end{gathered}$ | $004^{N Z}$ | $\begin{gathered} \text { PO } \\ 022 \quad 022 \end{gathered}$ | $\stackrel{\text { SP }}{027}{ }_{027}$ | $\begin{gathered} \text { TU } \\ 014 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 070 \quad 070 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 266227 \end{gathered}$ | us 235179 |  |
| SS | $\stackrel{A S}{005}$ | $\begin{gathered} \mathrm{BE} \\ 00 e^{800} \end{gathered}$ | ${ }_{003}^{\mathrm{CA}}$ | $\begin{gathered} \text { DA } \\ 006006 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 021 \end{gathered}{ }_{021}$ | $\begin{gathered} \text { GE } \\ 024 \quad 024 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 007007 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000000 \end{gathered}$ | $010^{1 \mathrm{~T}} 010$ | $015{ }^{\mathrm{JA}} 015$ |
| SS | $\begin{gathered} \text { NL } \\ 006066 \end{gathered}$ | $015 \mathrm{NO}_{015}$ | $000_{000}^{\mathrm{NZ}}$ | ${ }_{003}{ }^{\text {PO }} 003$ | $009{ }^{\text {SP }}$ | $014{ }^{\text {TU }} 014$ | $\underset{022}{ }{ }_{022}$ | $\begin{gathered} \text { UR } \\ 377 \quad 252 \end{gathered}$ | $\begin{gathered} \text { US } \\ 078 \quad 075 \end{gathered}$ |  |
| SX | $\begin{gathered} \text { AS } \\ 0000^{2} \end{gathered}$ | $00{ }^{\mathbf{B E}}$ | ${ }_{000}^{\mathrm{CA}}$ | $\begin{gathered} \text { DA } \\ 000 \text { e0e } \end{gathered}$ | $\begin{gathered} \text { FR } \\ 001 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { CR } \\ 000 \quad 000 \end{gathered}$ | $\underset{000}{\text { IC } 000}$ | ${ }_{000}^{\text {It }}$ | $000 \stackrel{J A}{000}$ |
| SX | $000_{000}^{\mathrm{NL}}$ | ${ }_{000}^{\mathrm{MO}}{ }^{\mathrm{en}}$ | $\begin{gathered} \mathrm{NZ} \\ 000 \\ \hline 000 \end{gathered}$ | $\begin{gathered} \text { PO } \\ 000 \end{gathered}$ | $\stackrel{\text { SP }}{000}$ | $\begin{gathered} \text { TU } \\ 000 \\ 000 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 000<00 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 004{ }_{0} 064 \end{gathered}$ | $\begin{gathered} \text { US } \\ 003 \mathbf{0 0 2} \end{gathered}$ |  |

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\begin{aligned}
& \text { SECNAV ORDER OF BATTLE REPORT } \\
& \text { YEAR: } 1978
\end{aligned}
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| YEAR: 1978 (Continued) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PC | $\begin{gathered} \text { AS } \\ 000-000 \end{gathered}$ | $\begin{gathered} \text { BE } \\ 000 \end{gathered}$ | $\underset{006{ }_{006}^{C A}}{ }$ | ${ }_{003}{ }^{\mathrm{DA}} 003$ | $\begin{gathered} \text { FR } \\ 020 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 053045 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 012012 \end{gathered}$ | $\underset{006}{\text { IC }}$ | $\begin{gathered} 11 \\ 007 \\ 007 \end{gathered}$ | $\begin{gathered} \text { JA } \\ 069 \end{gathered}$ |
| PC | $011_{011}^{\mathrm{NL}}$ | $\begin{gathered} \mathrm{NO} \\ 009 \end{gathered}$ | $000^{\mathrm{NZ}} 000$ | $\begin{gathered} \text { PO } \\ 010 \quad 010 \end{gathered}$ | $\begin{gathered} \text { SP } \\ 0088^{008} \end{gathered}$ | $\begin{gathered} \text { TU } \\ 012012 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 010010 \end{gathered}$ | ${ }_{108}^{\text {UR }} 108$ | $\begin{gathered} \text { US } \\ 005003 \end{gathered}$ |  |
| PF | $\begin{gathered} \text { AS } \\ 011^{011} \end{gathered}$ | $\begin{gathered} B E \\ 000 \quad 000 \end{gathered}$ | ${ }_{014}^{\mathrm{CA}}$ | $\begin{gathered} \mathrm{DA} \\ 052052 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 016016 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 007 \quad 007 \end{gathered}$ | $\begin{gathered} G R \\ 034 \quad 034 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 00000 \end{gathered}$ | $\begin{gathered} \text { IT } \\ 022022 \end{gathered}$ | $223{ }^{\mathrm{JA}}$ |
| PF | $\begin{gathered} \text { NL } \\ 0000^{2} \end{gathered}$ | $\begin{gathered} \text { NO } \\ 046{ }^{2} \end{gathered}$ | $008^{\mathrm{NZ}} \mathbf{0 0 8}$ | $\begin{gathered} \text { PO } \\ 016016 \end{gathered}$ | $\begin{gathered} { }^{S P}{ }_{027} \end{gathered}$ | $\begin{gathered} \mathrm{TU} \\ 055055 \end{gathered}$ | ${ }_{009}^{\text {UK }}$ | $\begin{gathered} \text { UR } \\ 462462 \end{gathered}$ | $\begin{gathered} \text { US } \\ 076 \quad 000 \end{gathered}$ |  |
| S8 | $\begin{gathered} \text { AS } \\ 0000^{000} \end{gathered}$ | $00 e^{\text {BE }}$ | ${ }_{000}^{\mathrm{CA}}$ | $\begin{gathered} \text { DA } \\ 000600 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 004 \\ \hline 004 \end{gathered}$ | $\begin{gathered} G E \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 000 \text { 000 } \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \end{gathered}$ | $000_{000}^{17}$ | $000_{000}^{\text {JA }}$ |
| S日 | $000^{\mathrm{NL}}$ | $\text { ees }{ }^{\text {No }}$ | $000^{\text {NZ }} 000$ | $\begin{gathered} \text { PO } \\ 000 \end{gathered}$ | ${ }_{000}{ }^{\text {SP }}$ | $\begin{gathered} \text { TU } \\ 000 \\ 000 \end{gathered}$ | $\begin{gathered} \text { UK } \\ 004004 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 091090 \end{gathered}$ | $\begin{gathered} \text { US } \\ 041041 \end{gathered}$ |  |
| SC | $011^{\text {AS }} 011$ | $\begin{gathered} \text { BE } \\ 002802 \end{gathered}$ | ${ }_{023}^{\mathrm{CA}}{ }_{23}$ | $\begin{gathered} \text { DA } \\ 007 \text { 007 } \end{gathered}$ | $\begin{gathered} \text { FR } \\ 047 \\ \hline 047 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 018 \quad 818 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 016016 \end{gathered}$ | $\underset{000^{\text {IC }}}{\text { lC }}$ | $\begin{gathered} 17 \\ 025025 \end{gathered}$ | $\begin{gathered} \text { JA } \\ 054 \\ \hline 046 \end{gathered}$ |
| SC | $\begin{gathered} \mathrm{NL} \\ 017017 \end{gathered}$ | $005{ }^{\mathrm{NO}} \mathrm{ee5}$ | $004_{004}^{N Z}$ | $\begin{gathered} \text { PO } \\ \text { 028 } 020 \end{gathered}$ | $\stackrel{S P}{028}{ }_{028}$ | $\begin{gathered} \text { TU } \\ 014{ }^{014} \end{gathered}$ | $\begin{gathered} \text { UK } \\ 068 \quad 068 \end{gathered}$ | $\begin{gathered} \text { UR } \\ 306 \\ 266 \end{gathered}$ | $\begin{gathered} \text { US } \\ 240 \quad 180 \end{gathered}$ |  |
| SS | $\begin{gathered} \text { AS } \\ 006{ }^{2} 006 \end{gathered}$ | ${ }_{000}^{\mathrm{BE}} 000$ | ${ }_{003}^{C A}$ | $\begin{gathered} \mathrm{DA} \\ 006006 \end{gathered}$ | $\begin{gathered} \text { FR } \\ 022{ }^{2} \end{gathered}$ | $\begin{gathered} \text { GE } \\ 024 \quad 024 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 007007 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \\ 000 \end{gathered}$ | $008_{008}^{\text {IT }}$ | $\begin{gathered} \text { JA } \\ 015015 \end{gathered}$ |
| SS | $008^{\mathrm{NL}} 006$ | $\begin{gathered} \text { NO } \\ 015015 \end{gathered}$ | $\begin{gathered} \text { NZ } \\ 000000 \end{gathered}$ | $003^{P O} 003$ | $\begin{gathered} \text { SP } \\ 008{ }^{-208} \end{gathered}$ | $\begin{gathered} \text { TU } \\ 011 \\ 011 \end{gathered}$ | ${ }_{025}^{\text {UK }}$ | $\begin{gathered} \text { UR } \\ 357248 \end{gathered}$ | $\begin{gathered} \text { US } \\ 081 \quad 078 \end{gathered}$ |  |
| SX | $\begin{gathered} \text { AS } \\ 0 e 0 e^{2} \end{gathered}$ | $\begin{gathered} \text { 日E } \\ 00080 \end{gathered}$ | $\begin{gathered} \mathrm{CA} \\ 000 \\ \hline 000 \end{gathered}$ | $\begin{gathered} \text { DA } \\ 000 \text { 000 } \end{gathered}$ | $\begin{gathered} \text { FR } \\ 001 \\ 001 \end{gathered}$ | $\begin{gathered} \text { GE } \\ 000000 \end{gathered}$ | $\begin{gathered} \text { GR } \\ 000 \quad 000 \end{gathered}$ | $\begin{gathered} \text { IC } \\ 000 \end{gathered}$ | $\begin{gathered} \text { IT } \\ 000{ }^{0} 000 \end{gathered}$ | $000 \text { JA } 000$ |
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## APPENDIX E

FIVE-YEAR ORDER-OF-BATTLE AND DEPLOYMENT CHARTS

Figure E-1. 1946 deployment world

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Flgure E-2. 1951 deployment world


Figure E-3. 1956 deployment world


Figure E-5. 1966 deployment world


Flgure E-6. 1971 deployment world


Flgure E-7. 1976 deployment world

Figure E-8. 1981 deployment world


APPENDIX F

## CRISIS DEPLOYMENT CHARTS




FIgure F-2. 1954 Dien Bien Phu crisis


Flgure F-3. 1954 Dien Bien Phu crisis



Figure F-5. 1962 Cuban crisis

Flgure F-6. 1967 June war crisis

F-6


Flgure F-7. 1967 June war crisis


Figure F-8. 1972 Linebacker crisis



F-10

Flgure F-11. 1973 Yom Kippur war crisis



Figure F-13. 1980 Iran hostage crisis


F-14


F-15

APPENDIX G
TREND GRAPHS


Figure G-1. Total order of battle for all ship types


Figure G-2. Total active order of battle for all ship types


Figure G-3. Total active order of battle for CVs, SCs, PCs, SSs, and SBs


Figure G-4. Order of battle for active CVs


Figure G-5. Order of battle for active PCs and SCs


Figure G-6. Order of battle for active SSs


Flgure G-7. Order of battle for active SBs


Figure G-8. Order of battle for active MWs


Figure G-9. Total order of battle for out-of-area CVs, SCs, PCs, SSs, and SBs


Figure G-10. Order of battle for out-of-area CVs


Figure G-11. Order of battle for out-ot-area PCs and SCs


Figure G-12. Out-of area ships, all types (Mediterranean Sea)


Figure G-13. Out-of-area ships, all types (Indian Ocean)


Figure G-14. Out-ot-area shipe, all types (South China Sea)


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