

ships, carriers, submarines, and miscellaneous ships—on the basis of general technical and functional characteristics and similarity of budget component cost distributions. Bureau of Ships personnel assisted in establishing the groupings shown in table 16.

Step 2: TOA for each ship type was then divided into four "budget categories"—basic construction, electrical and mechanical equipment, electronics, and weapons—using percentages obtained from P8-8a exhibits.³⁵ Approximately 93 percent of SCN could be accounted for by using these data. For the other 7 percent, ship types for which backup data were not available, the average percentage distribution for other ships in the same group was applied to TOA to yield the dollar distribution by budget category.

Step 3: The dollar figures by budget category for each ship type obtained in step 2 were combined across all ship types to yield a total dollar figure for each budget category. Each total was then divided by the sum of the four budget categories (TOA for all ships) to obtain a percentage breakdown of TOA for all ships into the four budget categories. The budget-category weights derived were 66.6 percent for basic construction, 13.9 percent for electrical and mechanical, 12.1 for electronics, and 7.4 for weapons.

Step 4: Lists of prime products and prices for items procured within the electrical and mechanical, electronics, and weapons categories were obtained for one ship of each ship type based on historical data for completed ships.³⁶ Basic construction dollars were coded to SIC code 3731, shipbuilding and repairing. The prime product lists for individual ships were assumed to be representative of all ships of the same type.

TABLE 16.—*Ship groupings*

Category	Group
Auxiliary.....	AD, destroyer tender. AE, ammunition ships. AFS, combat store ships. AGC, icebreaker. AGOR, oceanographic research. AGS, surveying ships. T-AK, cargo ship, large. AKA, cargo ship, attack. AO, oiler, fleet. T-AO, tanker. AOR, oiler, fleet replenishment. AS, tender, sub, non-FBM. ATS, tug, salvage. MCS, mine countermeasures, support ship. MSS, mine sweeper, special. T-AG (FDL), logistics, fast deployment.
Logistic.....	LSV, cargo ship, vehicle.
Carrier.....	CVA, carrier, attack aircraft.
Attack.....	DD, destroyer. DE, escort ships. DLG, frigate, guided missile. CG, cruiser, guided missile.
Amphibious.....	LPD, amphibious transport dock. LSD, landing ship, dock. LST, landing ship, tank. LPH, amphibious assault ship. AGC, amphibious force flagship. AOE, combat support ship, fast.
Submarines.....	APSS, transport, submarine. SSN, submarine, nuclear.
Miscellaneous surface ships.....	MSO, mine sweeper, ocean. PGH, gunboat, hydrofoil. PGM, gunboat, motor. Small boats.