

**SFI
DETAIL
CODE**

General information on use of SFI

The SFI Code is an international classification standard used in shipping.

The numbers consist of main components and sub component(s). In the example 112.005 Ship control. The component 112 is the main component and 005 is the subcomponent. You can also have subcomponents of a subcomponent such as 112.005.001. It is not recommended to have more than 3 levels of subcomponents, to make it easier to follow the component scheme.

The main components are grouped under different categories. For example “112 Classification & Statuary fees & Certificates” main component, is grouped under “1 Ship General” and “11 Insurance, fees, certificates, representation”.

If there are gaps in numbers between main or sub components, you can use those numbers as you wish, as long as they fit the category in which it is listed.

Also components 900-999 is open and you can use those to specify things that do not fit in any of the other categories. Group 0-99 can also be used for custom things as well, if it does not fit the already specified SFI list codes.

In Oceantiger Software’s MMaster (<https://www.oceantiger-software.com>) you can use the SFI codes to define your component tree. On the webpage you can download Oceantiger MMaster demo version, and get more information about this very user friendly and affordable ship maintenance system.

1 SHIP GENERAL

10 SPECIFICATION, ESTIMATING, DRAWING, INSTRUCTION, COURSES.....	6
11 INSURANCE, FEES, CERTIFICATES, REPRESENTATION.....	7
12 QUALITY ASSURANCE, GENERAL WORK, MODELS.....	8
13 PROVISIONAL RIGGING.....	9
14 WORK ON WAYS, LAUNCHING, DOCKING.....	10
15 QUALITY CONTROL, MEASUREMENTS, TESTS, TRIALS.....	11
16 GUARANTEE/MENDING WORK.....	12
17 SHIP REPAIR, SPECIAL SERVICES.....	13
19 CONSUMPTION ARTICLES.....	14

2 HULL

20 HULL MATERIALS, GENERAL HULL WORK.....	15
21 AFTERBODY.....	16
22 ENGINE AREA.....	17
23 CARGO AREA - HULL SMALL VESSELS.....	19
24 FOREBODY.....	20
25 DECK HOUSES & SUPERSTRUCTURES.....	21
26 HULL OUTFITTING.....	22
27 MATERIAL PROTECTION, EXTERNAL.....	24
28 MATERIAL PROTECTION, INTERNAL.....	25
29 MISCELLANEOUS HULL WORK (NOT STANDARD).....	27

3 EQUIPMENT FOR CARGO

30 HATCHES, PORTS.....	28
31 EQUIPMENT FOR CARGO IN HOLDS/ON DECK.....	32
32 SPECIAL CARGO HANDLING EQUIPMENT.....	33
33 DECK CRANES FOR CARGO	34
34 MASTS, DERRICK POSTS, RIGGING & WINCHES FOR CARGO	37
35 LOADING/DISCHARGING SYSTEMS FOR LIQUID CARGO	39
36 FREEZING, REFRIGERATING & HEATING SYSTEMS FOR CARGO.....	42
37 GAS/VENTILATION SYSTEMS FOR CARGO HOLDS/TANKS	45
38 AUXILIARY SYSTEMS & EQUIPMENT FOR CARGO	48

4 SHIP EQUIPMENT

40 MANOEUVRING MACHINERY & EQUIPMENT	50
41 NAVIGATION & SEARCHING EQUIPMENT	54
42 COMMUNICATION EQUIPMENT	58
43 ANCHORING, MOORING & TOWING EQUIPMENT	61
44 REP./MAINT./CLEAN. EQUIP. WORKSHOP/STORE OUTFIT, NAME PLATES	64
45 LIFTING & TRANSPORT EQUIPMENT FOR MACHINERY COMPONENTS	67
46 HUNTING & FISHING EQUIPMENT	68
47 ARMAMENT, WEAPON & WEAPON COUNTERMEASURES	70
48 SPECIAL EQUIPMENT	71
49 FISH PROCESSING EQUIPMENT	72

5 EQUIPMENT FOR CREW AND PASSENGERS

50 LIFESAVING, PROTECTION & MEDICAL EQUIPMENT	75
51 INSULATION, PANELS, BULKHEADS, DOORS, SIDESCUTTLES,SKYLIGHTS.....	78
52 INTERNAL DECK COVERING, LADDERS, STEPS, RAILING	80
53 EXT. DECK COVERING, LADDERS, STEPS, FORE & AFT GANGWAY	81
54 FURNITURE, INVENTORY, ENTERTAINMENT EQUIPMENT	82
55 GALLEY/PANTRY EQUIP., PROVISION PLANTS, LAUNDRY/IRONING EQU.....	85
56 TRANSPORT EQUIPMENT FOR CREW, PASSENGERS & PROVISIONS	88
57 VENTILATION, AIR-CONDITIONING & HEATING SYSTEMS.....	90
58 SANITARY SYST. W/DISCHARGES, ACCOMMODATION DRAIN SYSTEMS	93
59 PASSENGER VESSEL CABINS & PUBLIC ROOMS	94

6 MACHINERY MAIN COMPONENTS

60 DIESEL ENGINES FOR PROPULSION	95
61 STEAM MACHINERY FOR PROPULSION	96
62 OTHER TYPES OF PROPULSION MACHINERY	97
63 PROPELLERS, TRANSMISSIONS, FOILS	99
64 BOILERS, STEAM & GAS GENERATORS	102
65 MOTOR AGGREGATES FOR MAIN ELECTRIC POWER PRODUCTION	103
66 OTHER AGGR. & GEN. FOR MAIN & EMERGENCY EL. POWER PRODUCTION..	104
67 NUCLEAR REACTOR PLANTS	106

7 SYSTEMS FOR MACHINERY MAIN COMPONENTS

70 FUEL SYSTEMS	107
71 LUBE OIL SYSTEMS	109
72 COOLING SYSTEMS	111
73 COMPRESSED AIR SYSTEMS	111
74 EXHAUST SYSTEMS & AIR INTAKES.....	112
75 STEAM, CONDENSATE & FEED WATER SYSTEMS	114
76 DISTILLED & MAKE-UP WATER SYSTEMS	116
79 AUTOMATION SYSTEMS FOR MACHINERY	117

8 SHIP COMMON SYSTEMS

80 BALLAST & BILGE SYSTEMS, GUTTER PIPES OUTSIDE ACCOMMOD.....	121
81 FIRE & LIFEBOAT ALARM, FIRE FIGHTING & WASH DOWN SYSTEMS	122
82 AIR & SOUNDING SYSTEMS FROM TANKS TO DECK	124
83 SPECIAL COMMON HYDRAULIC OIL SYSTEMS	124
84 CENTRAL HEAT TRANSFER SYSTEMS W/CHEMICAL FLUIDS/OIL	124
85 COMMON ELECTRIC & ELECTRONIC SYSTEMS.....	125
86 ELECTRIC POWER SUPPLY	126
87 COMMON ELECTRIC DISTRIBUTION SYSTEMS	127
88 ELECTRIC CABLE INSTALLATION	128
89 ELECTRIC CONSUMER SYSTEMS	129

1 SHIP GENERAL

10 SPECIFICATION, ESTIMATING, DRAWING, INSTRUCTION, COURSES

101 CONTRACT/SPECIFIC. WORK, GENERAL DESIGN, MODEL TESTING

- 101.001 Towing tank tests
- 101.005 Funnel tests
- 101.010 Propeller cavitation tests
- 101.011 Noise measurements/analyses
- 101.012 Vibration measurements/analyses
- 101.015 Travel/per diem expenses
- 101.020 General EDP expenses

102 DRAWING, ORDERING ETC. WITH REGARD TO HULL

- 102.001 Hull half models
- 102.003 Film, development, copying
- 102.005 Hull EDP expenses
- 102.010 Optical drawings
- 102.020 CAD drawings

103 DRAWING, ORDERING ETC. W.R.T. EQUIPMENT FOR CARGO

104 DRAWING, ORDERING ETC. W.R.T. SHIP EQUIPMENT

105 DRAWING, ORDERING W.R.T. EQUIPMENT FOR CREW & PASSENGERS

106 DRAWING, ORDERING W.R.T. MACH. COMPONENTS, MACH/SHIP SYSTEMS

- 106.001 Film, development, copying
- 106.020 CAD drawings

107 ESTIMATING, DRAWING & OFFERS W.R.T. CHANGE ORDERS

108 PURCHASE/RENTING OF DRAWINGS, PATENTS, LICENCES & CONSULTATI

- 108.001 Drawing purchases
- 108.010 Drawing rentals
- 108.020 General licence/patent fees
- 108.025 General consultants' fees
- 108.026 Class newbuilding survey

109 MAINTENANCE SYSTEMS, INSTRUCTION MATERIAL

- 109.001 Instruction material
- 109.005 Maintenance/spare parts systems
- 109.007 Contingency plans
- 109.009 Alarm instructions
- 109.010 Travel/per diem expenses
- 109.020 Course instructors' salaries

11 INSURANCE, FEES, CERTIFICATES, REPRESENTATION

111 GENERAL INSURANCE

- 111.001 Construction risk insurance
- 111.005 Trial trip insurance
- 111.010 Delay insurance
- 111.015 Guarantee insurance
- 111.020 Currency insurance
- 111.025 Discount rate insurance

112 CLASSIFICATION & STATUTORY FEES & CERTIFICATES

- 112.001 Classification societies' fees
- 112.003 Letter of official registration
- 112.005 Ship control
- 112.008 Ship registration
- 112.009 Safety equipment
- 112.010 International tonnage certificates
- 112.012 International loadline certificates
- 112.015 Panama Canal tonnage certificates
- 112.020 Suez Canal tonnage certificates
- 112.022 RINA certificates
- 112.024 FMC certificates
- 112.025 Construction certificates
- 112.030 USCG certificates
- 112.034 TOVALOP certificates
- 112.035 IMO certificates
- 112.050 Passenger certificates
- 112.052 Car freight certificates
- 112.054 Container certificates
- 112.056 Chemical tanker certificates
- 112.058 Gas tanker certificates
- 112.060 Product tanker certificates
- 112.062 Oil tanker certificates
- 112.064 Oil production/storage certificates

113 BUILDING ADVANCE INTEREST, DISCOUNT, FINANCE COSTS

- 113.001 Interest expenses
- 113.005 Discount rate losses
- 113.010 Exchange rate losses
- 113.015 Financial costs

114 CANCELLATION EXPENSES

- 114.001 Cancellation expenses

115 PENALTIES

- 115.001 Contract penalties

116 BROKERS' COMMISSIONS

- 116.001 Brokers' commissions

117 REPRESENTATION, TRAVELS, CONFERENCES

- 117.001 Travel/per diem expenses
- 117.010 Premises rental
- 117.015 Catering
- 117.020 Representation

118 LAUNCHING & DELIVERY REPRESENTATION

- 118.001 Catering
- 118.005 Travel/per diem expenses
- 118.010 Gifts
- 118.015 Entertainment
- 118.017 Film, development, copying
- 118.020 Representation
- 118.025 Trial trip representation
- 118.030 Menus, guest lists, printed matter

12 QUALITY ASSURANCE, GENERAL WORK, MODELS

121 QUALITY ASSURANCE, PLANNING, WORK PREPARATION

- 121.001 EDP expenses
- 121.005 Quality assurance manuals
- 121.010 Progress plans
- 121.015 Work preparation
- 121.020 Work hours/progress control

122 WORK MANAGEMENT, FIRE GUARD, SUPERVISION, WATCH KEEPING

- 122.001 Hull work management
- 122.005 Machinery work management
- 122.010 Pipe work management
- 122.015 Carpenter work management
- 122.020 Work management
- 122.025 Fire guard
- 122.030 Watch keeping

123 CLEARING & CLEANING

- 123.001 Cleaning
- 123.005 Engine room cleaning
- 123.010 Accommodation cleaning

124 SNOW CLEARING, DE-ICING

125 TRANSPORTATION (EXCL. HULL PARTS)

- 125.001 Freight, minor

126 ASSISTANCE WITH OWNER'S SUPPLY

- 126.001 External transport costs

127 MODELS, ALBUMS, PHOTOS

127.001 Exhibition models

127.005 Arrangement models

127.010 Full scale models

127.015 Photo albums

128 HEALTH, ENVIRONMENT, SAFETY

13 PROVISIONAL RIGGING

131 PROV. GANGWAYS, ROOFS, HATCHES, STAIRS, STAGES FOR HULL EXT.

132 PROV. ROOFS, HATCHES, STAGES F. DECK HOUSES & SUPERSTR. EXT.

133 PROV. HATCHES, LADDERS, STAGES IN CARGO HOLDS/TANKS

134 PROV. HATCHES, LADDERS, STAGES IN ENGINE ROOM & ACCOMMOD.

135 PROV. ELECTRIC POWER, LIGHTING, MACHINERY

135.001 Diesel aggregate hire

136 PROV. STEAM, WATER, HEATING & VENTILATION PLANTS

137 PROV. GAS, OXYGEN & COMPRESSED AIR PLANTS

138 TARPAULIN RENTALS

138.001 Storage tent hire

139 PROV. LIFTING & TRANSPORT EQUIPMENT

14 WORK ON WAYS, LAUNCHING, DOCKING

141 KEEL BLOCKS, PILLARS, CUSHIONS

142 LAUNCHING ARR. W/CRADLE, SUPPORTS, WATER FILLING, PLATFORM

143 CREW, PILOTS, TUGS, CLEARING AT LAUNCHING

143.001 Pilot expenses

143.005 Tug hire

143.010 Diver assistance

144 DRY DOCKING, SLIP DOCKING

144.001 Pilot expenses

144.005 Tug hire

144.010 Diver assistance

145 SHIFTING, TOWING (EXCL. LAUNCHING)

145.001 Pilot expenses

145.005 Tug hire

146 GAS FREEING, TANK CLEANING

147 BERTHING, ANCHORAGE

15 QUALITY CONTROL, MEASUREMENTS, TESTS, TRIALS

151 MACHINERY TESTING

151.001 Testing instrument hire

152 CAPACITY, INCLINATION, VIBRATION MEASUREMENTS

152.001 Testing instrument hire

153 FUEL & LUBE OIL FOR TESTS & TRIAL TRIPS

153.001 Trial trip FO

153.005 Trial trip LO

154 TRIAL TRIPS

154.001 Harbour pilot expenses

154.005 Tug hire

154.010 Harbour dues

154.011 Speed-mile dues

154.012 Trial trip master hire

154.015 Trial trip crew catering

155 SPECIAL TESTS/TRIALS

155.001 Test plant rentals

155.003 Gas purchases

155.005 Ammunition purchases

155.010 Harbour dues

155.012 Pilot expenses

155.014 Tug hire

155.016 Watch keeping

155.020 Ship operation to test location

155.030 Seine test settings

155.040 Trawl tests

155.045 Towing tests

155.050 Fi-Fi tests

155.055 Dynamic positioning tests

16 GUARANTEE/MENDING WORK

161 MENDING WORK AFTER TRIALS

162 GUARANTEE WORK

162.001 Guarantee eng. travel/per diem expenses

162.005 Workers travel/per diem expenses

164 REPAIR OF DAMAGES CAUSED BY YARD

17 SHIP REPAIR, SPECIAL SERVICES

171 DISPOSAL OF WASTE, GARBAGE, OIL, CHEMICALS

172 CRANE ASSISTANCE TO SHIP'S CREW

173 TRANSPORT OF YARD PERSONNEL

174 TOILET & WASH ROOM OUTLETS

175 SERVICES TO SHIP'S CREW (MEALS ETC.)

19 CONSUMPTION ARTICLES

191 ELECTRODES

192 GAS, OXYGEN, COAL, OIL

193 TOOLS, JIGS

194 BINDING & MENDING MATERIAL, CLEANING ARTICLES

194.001 Soap, detergent

194.002 De-greasing agents

195 EQUIPMENT FOR OWNER'S REPRESENTATIVES

195.001 Owners' representatives expenses

195.005 Owners' deliveries

196 MISCELLANEOUS CONSUMPTION ARTICLES

2 HULL

20 HULL MATERIALS, GENERAL HULL WORK

201 HULL MATERIALS

- 201.001 Steel ship plates
- 201.005 High tension steel ship plates
- 201.010 Alloy steel plates
- 201.015 Laminated steel plates
- 201.025 Steel profiles
- 201.030 High tension steel profiles
- 201.035 Alloy steel profiles
- 201.040 Steel tube supports
- 201.050 Aluminium plates
- 201.060 Composite materials

202 TRANSPORTATION, SORTING & STORAGE OF HULL MATERIALS

- 202.001 Crane hire
- 202.005 Forklift hire
- 202.010 Truck hire

203 BLASTING, SHOP-PRIMING, ROLLING & CLEANING OF MATERIALS

- 203.001 Sandblasting equipment hire

204 TESTING OF TANKS, BULKHEADS

- 204.001 Testing equipment hire

205 X-RAY & ULTRASONIC TESTING OF HULL PARTS

- 205.001 Testing equipment hire
- 205.005 X-ray film/development

206 TEMPLATE & MOULD LOFT WORK

207 JOINING OF HULL PARTS AFLOAT

21 AFTERBODY

211 SHELL PANELS, SEPARATE SHELL PLATES

214 1. DECK W/STIFFENING

216 STERN SECTIONS, STERN TUBE BULKHEADS

- 216.001 Afterpeak tanks
- 216.002 Stern tanks
- 216.003 Water ballast tanks
- 216.004 FW tanks
- 216.005 Steering gear room aft
- 216.010 Car bridge recess aft
- 216.015 Side thruster tunnel
- 216.020 Stern tube bulkhead room aft

218 STERN FRAME SECTIONS

- 218.001 Stern boss
- 218.003 Rudder boss, cast steel
- 218.004 Stern boss lining
- 218.005 Intermediate piece 1, cast steel
- 218.006 Rudder trunk
- 218.007 Stern tube boss
- 218.009 Intermediate piece 2, cast steel
- 218.011 Heel piece, cast steel
- 218.020 Stern frame, cast steel

22 ENGINE AREA

220 GENERAL

220.001 FO storage tanks
220.005 FO settling tanks
220.007 FO service tanks
220.009 DO storage tanks
220.013 DO settling tanks
220.015 DO day tanks
220.017 FO waste tanks
220.019 FO overflow tanks
220.021 FO drain tanks
220.025 LO system tanks
220.027 System oil tanks, clean
220.029 System oil tanks, dirty
220.031 Turbine oil storage tanks
220.033 Turbine oil gravity tanks
220.035 Cylinder oil storage tanks
220.037 HDO storage tanks
220.039 LO drain tanks
220.041 LO waste tanks
220.045 FW tanks
220.050 Distilled water tanks
220.055 Water ballast tanks

221 SHELL PANELS, SEPARATE SHELL PLATES

222 BOTTOM, KEEL & BILGE PLATES W/STIFFENING

223 INNER BOTTOM W/STIFFENING, ENGINE FOUNDATIONS

223.001 ME foundations
223.003 MT foundations
223.005 Main condenser foundations
223.007 Main reduction gear foundations
223.010 Main boiler foundations
223.015 Aux boiler foundations
223.017 AE foundations
223.020 TG foundations
223.022 Shaft bearing foundations
223.025 Stern tube foundations

224 1. DECK W/STIFFENING

226 DECKS, PLATFORMS, BULKHEADS, & HULL TANKS BELOW 1. DECK

226.001 Engine room decks w/stiffeners
226.010 Engine room platforms
226.020 Engine room bulkhead
226.030 FO tanks
226.040 ME FO settling tanks
226.041 ME FO day tanks
226.043 ME DO day tanks

226.050 Engine room LO tanks

226.060 ME system oil tanks

226.065 AE system oil tanks

226.070 ME cylinder oil tanks

23 CARGO AREA - HULL SMALL VESSELS

230 GENERAL

- 230.001 Cargo tanks
- 230.020 Slop tanks
- 230.030 Ballast tanks
- 230.040 Ballast/F.O. tanks

231 SHELL PANELS, SEPARATE SHELL PLATES

232 BOTTOM, KEEL & BILGE PLATES W/STIFFENING

233 INNER BOTTOM W/STIFFENING

- 233.010 Ballast tanks
- 233.020 FW tanks
- 233.030 Sewage tanks
- 233.040 Dry tanks
- 233.050 Cofferdams
- 233.070 FO tanks

234 1. DECK W/STIFFENING

- 234.010 Deck
- 234.020 Deck tanks

235 DECKS BELOW 1. DECK W/STIFFENING

- 235.010 Shelterdeck

236 TRANSVERSE BULKHEADS W/STIFFENING

237 LONGITUDINAL BULKHEADS W/STIFFENING

238 BOTTOM SIDE TANKS, ETC. (SPECIAL LOWER CONSTRUCTIONS)

239 TOP SIDE TANKS, ETC. (SPECIAL UPPER CONSTRUCTIONS)

24 FOREBODY

240 GENERAL

240.001 FO deep tanks

240.005 Ballast deep tanks

240.010 Forepeak tanks

241 SHELL PANELS, SEPARATE SHELL PLATES

243 FORECASTLE DECKS & BULKHEADS W/STIFFENING

244 1. DECK W/STIFFENING

245 DECKS & STRINGERS BELOW 1. DECK W/STIFFENING

246 BOW & STEM SECTIONS, FOREBODY BULKHEADS

246.005 Steering gear room fwd

246.010 Car bridge recess fwd

246.015 Side thruster tunnel

246.020 Stern tube bulkhead room fwd

246.030 Chain lockers

248 BULB

25 DECK HOUSES & SUPERSTRUCTURES

251 DECK HOUSES

251.001 Deck houses

252 MAST, PUMP, FAN & WINCH HOUSES, COMPANION WAYS

252.001 Mast houses

252.010 Companion ways

252.020 Emergency exits

252.030 Lift trunks

253 SUPERSTRUCTURES

253.010 Decks w/bulkheads, stiffening

253.050 Wheelhouses

26 HULL OUTFITTING

261 HULL & HOUSE MARKINGS

- 261.001 Builder's signplates
- 261.002 Hull marks, names
- 261.004 Draft marks
- 261.005 Loadline marks
- 261.006 Foot marks
- 261.010 Tank marks
- 261.011 Owner's marks bow/stern
- 261.012 Owner's marks funnel
- 261.015 Side thruster marks
- 261.020 Bulb marks
- 261.030 Drive lane marks
- 261.040 Sign plate arrangements

262 BOTTOM PLUGS, SEA CHESTS, BILGE WELLS, WATER JET INTAKE

- 262.001 Bottom plugs
- 262.005 Bottom manhole covers
- 262.010 Sea chests
- 262.015 Bilge wells
- 262.040 Water jet intake
- 262.050 Fi-Fi sea intake
- 262.052 Fi-Fi sea intake strainer plate

263 FOUNDATIONS

- 263.010 Shaft bearing foundations
- 263.015 Stern tube foundations
- 263.016 Steering gear foundations
- 263.020 Boiler foundations
- 263.022 Exhaust gas boiler foundations
- 263.024 Silencer foundations
- 263.025 Anchor winch foundations
- 263.030 Lift foundations
- 263.035 Ventilation plant foundations
- 263.050 Lifeboat foundations
- 263.055 MOB boat foundations
- 263.059 MOB boat winch foundations
- 263.060 Liferaft foundations

264 FENDER & WEAR BARS, ICE FINS, BILGE KEELS, AIR CUSHION ARR.

- 264.001 Fender bars
- 264.010 Bilge keels
- 264.020 Bow fenders
- 264.030 Rubber fenders w/fixtures
- 264.050 Air cushion screens
- 264.055 Air cushion dampers

265 GUIDE, TRIM & COVER PLATES

266 HAWSE PIPES

266.001 Hawse pipes

266.002 Wear rings

267 GUTTER BARS, BULWARK, BREAKWATERS, GAS BARRIERS

267.010 Bulwark

267.030 Side gates fwd

267.033 Side gates midship

267.035 Side gates aft

268 FUNNELS

268.001 Funnels

27 MATERIAL PROTECTION, EXTERNAL

271 BOTTOM, BOOT TOP, RUDDER, RUDDER TRUNK

- 271.001 Bottom
- 271.005 Boot top
- 271.010 Rudder
- 271.015 Rudder trunk
- 271.030 Sea chests

272 TOP SIDE

- 272.001 Top side
- 272.010 Superstructure shell plating outboard

273 EXTERNAL DECKS

- 273.001 Main decks
- 273.010 Shelter decks
- 273.020 Suspended decks
- 273.030 Boat decks

274 EQUIPMENT ON EXTERNAL DECKS, BULWARK (INBOARD SIDE)

- 274.001 Masts fwd
- 274.002 Masts aft
- 274.010 Booms
- 274.020 Ventilation pipes
- 274.030 Deck machinery
- 274.040 Bulwark inboard
- 274.050 Superstructure shell plating inboard
- 274.060 Woodwork external

275 SUPERSTRUCTURES, DECK HOUSES, MAST HOUSES

- 275.001 Superstructures
- 275.010 Wheelhouses
- 275.020 Funnels

276 GALVANIZING, NICKEL PLATING, METALLIZING

- 276.001 Galvanizing
- 276.010 Nickel plating
- 276.020 Metallizing

278 EXTERNAL CATHODIC PROTECTION

- 278.001 Hull/rudder anodes
- 278.005 Sea chest anodes
- 278.010 Impressed current systems
- 278.012 Impressed current anodes
- 278.014 Reference cell
- 278.016 Control unit
- 278.018 Power unit

28 MATERIAL PROTECTION, INTERNAL

281 ACCOMMODATION, DECK HOUSES, STORE ROOMS

- 281.001 Deck house rooms
- 281.010 Saloons
- 281.020 Cabins
- 281.030 Toilets
- 281.040 Corridors
- 281.050 Messrooms, galleys
- 281.060 Shell plating inboard
- 281.070 Store rooms

282 ENGINE, BOILER & PUMP ROOMS, STEERING GEAR COMPARTMENTS

- 282.001 Engine rooms
- 282.004 Engine room casings
- 282.006 Piping, silencers
- 282.010 Engine room equipment
- 282.020 Boiler rooms
- 282.025 Pump rooms
- 282.030 Gear rooms
- 282.040 Steering gear room

283 CARGO HOLDS

284 CARGO TANKS

285 BALLAST, SEA W. & STABIL. TANKS, COFFERDAMS, CHAIN LOCKERS

- 285.001 Ballast tanks/SW tanks
- 285.020 Sewage tanks
- 285.030 Dry tanks, void spaces
- 285.040 Cofferdams
- 285.050 Chain lockers

286 FRESH WATER TANKS, MISC. TANKS

- 286.001 FW tanks
- 286.020 Wash water tanks
- 286.030 Cooling water tanks

287 FUEL OIL & LUBE OIL TANKS

- 287.001 FO tanks
- 287.020 DO tanks
- 287.030 GO tanks
- 287.050 LO tanks

288 INTERNAL CATHODIC PROTECTION

- 288.001 Separate sacrificial anodes
- 288.010 Impressed current systems
- 288.012 Impressed current anodes
- 288.014 Reference cell
- 288.016 Control unit
- 288.018 Power unit

29 MISCELLANEOUS HULL WORK (NOT STANDARD)

291 MARKING

292 FLAME CUTTING

293 CUTTING, SHEARING

294 BENDING, FLANGING, ROLLING

295 BURNING, CHISELLING & GRINDING FOR BACKWELDS

298 FITTING & JOINING OF COMPOSITE MATERIALS

3 EQUIPMENT FOR CARGO

30 HATCHES, PORTS

301 CARGO HATCH COVERS W/EQUIPMENT ON WEATHER DECKS

- 301.001 Patent hatches w/coaming
- 301.005 Patent hatches without coaming
- 301.010 Patent hatch drive units
- 301.015 Patent hatch closing arr.
- 301.018 Manoeuvre consoles
- 301.020 Valve boards
- 301.025 Hatch hydr. cylinders
- 301.030 Pontoon hatches, complete
- 301.035 Hatch sections
- 301.038 Hatch beams w/lock fitting
- 301.045 Separate hydr. oil systems
- 301.047 Hydr. oil pumps w/drive unit
- 301.049 Hydr. oil preheaters
- 301.051 Hydr. oil coolers
- 301.053 Hydr. oil filters
- 301.055 Hydr. oil expansion tanks
- 301.057 Hydr. oil storage tanks
- 301.060 Hydr. oil pump starter systems
- 301.062 Hatch cover control systems

302 CARGO HATCH COVERS W/EQUIPMENT, ON TWEEN DECKS

- 302.001 Patent hatches w/coaming
- 302.005 Patent hatches without coaming
- 302.010 Patent hatch drive units
- 302.015 Patent hatch closing arr.
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- 302.049 Hydr. oil preheaters
- 302.051 Hydr. oil coolers
- 302.053 Hydr. oil filters
- 302.055 Hydr. oil expansion tanks
- 302.057 Hydr. oil storage tanks

303 CARGO TANK HATCHES

- 303.001 Cargo tank hatches
- 303.010 MUCKING HATCHES

304 SMALLER HATCHES, GRAIN HATCHES, MANHOLE COVERS

- 304.001 Grain hatches
- 304.002 Manhole hatches w/gaskets
- 304.005 Trimming hatches
- 304.010 Suez hatches
- 304.012 Provision hatches
- 304.014 Access hatches
- 304.020 Emergency hatches
- 304.025 Observation hatches
- 304.030 Sounding hatches
- 304.035 Tonnage hatches
- 304.040 Tank cleaning hatches
- 304.060 Engine room hatches
- 304.065 Steering gear hatches
- 304.070 Mud tank hatches

305 BOW PORTS

- 305.001 Bow port w/coaming
- 305.002 Bow port hinges/fittings
- 305.003 Driving ramp w/coaming
- 305.004 Driving ramp hinges/fittings
- 305.007 Manoeuvre machinery
- 305.010 Locking devices
- 305.013 Manoeuvre consoles
- 305.016 Valve boards
- 305.020 Bow port hydr. cylinders
- 305.025 Driving ramp hydr. cylinders
- 305.045 Separate hydr. oil systems
- 305.047 Hydr. oil pumps w/drive unit
- 305.049 Hydr. oil preheaters
- 305.051 Hydr. oil coolers
- 305.053 Hydr. oil filters
- 305.055 Hydr. oil expansion tanks
- 305.057 Hydr. oil storage tanks
- 305.060 Hydr. pump starter systems
- 305.065 Bow port control systems

306 STERN PORTS

- 306.001 Stern port w/coaming
- 306.002 Stern port hinges/fittings
- 306.003 Driving ramp w/coaming
- 306.004 Driving ramp hinges/fittings
- 306.007 Manoeuvre machinery
- 306.010 Locking devices
- 306.013 Manoeuvre consoles
- 306.016 Valve boards
- 306.020 Stern port hydr. cylinders
- 306.025 Driving ramp hydr. cylinders
- 306.045 Separate hydr. oil systems
- 306.047 Hydr. oil pumps w/drive unit

306.049 Hydr. oil preheaters
306.051 Hydr. oil coolers
306.053 Hydr. oil filters
306.055 Hydr. oil expansion tanks
306.057 Hydr. oil storage tanks
306.060 Hydr. pump starter systems
306.065 Stern port control systems

307 SIDE PORTS

307.001 Side port w/coaming
307.003 Side port/ramp w/coaming
307.007 Manoeuvre machinery
307.010 Locking devices
307.013 Manoeuvre consoles
307.045 Separate hydr. oil systems
307.047 Hydr. oil pumps w/drive unit
307.049 Hydr. oil preheaters
307.051 Hydr. oil coolers
307.053 Hydr. oil filters
307.055 Hydr. oil expansion tanks
307.057 Hydr. oil storage tanks
307.060 Hydr. pump starter systems
307.065 Side port control systems

308 CARGO DOORS IN BULKHEADS

308.001 Bulkhead doors w/coaming
308.005 Manoeuvre machinery
308.009 Locking devices
308.013 Manoeuvre consoles
308.014 Valve boards
308.020 Bridge front doors w/coaming, complete
308.022 Manoeuvre machinery
308.024 Locking devices
308.026 Manoeuvre consoles
308.028 Valve boards
308.045 Separate hydr. oil systems
308.047 Hydr. oil pumps w/drive unit
308.049 Hydr. oil preheaters
308.051 Hydr. oil coolers
308.053 Hydr. oil filters
308.055 Hydr. oil expansion tanks
308.057 Hydr. oil storage tanks
308.060 Hydr. pump starter systems
308.065 Bulkhead door control systems

309 COMMON HYDRAULIC OIL SYSTEM FOR HATCHES/PORTS

309.001 Common hydr. oil systems
309.005 Hydr. oil pumps w/drive unit
309.010 Hydr. oil preheaters
309.015 Hydr. oil coolers
309.020 Hydr. oil filters

309.025 Hydr. oil expansion tanks
309.030 Hydr. oil storage tanks
309.035 Hydr. oil regenerator
309.060 Hydr. oil pump starter systems

31 EQUIPMENT FOR CARGO IN HOLDS/ON DECK

311 LOOSE DECKS & PLATFORMS FOR CARGO, RAMPS

- 311.001 Onboard driving ramps w/coaming
- 311.003 Manoeuvre machinery
- 311.005 Locking devices
- 311.007 Manoeuvre consoles
- 311.009 Valve boards
- 311.010 Suspended decks
- 311.011 Platforms, steel
- 311.012 Platforms, sandwich elements
- 311.013 Ramps w/rail, steel
- 311.014 Ramps, sandwich elements
- 311.015 Tween deck ramps
- 311.017 Lifting/lowering machinery
- 311.018 Wire arrangement
- 311.019 Locking devices
- 311.020 Preventer arrangement
- 311.021 Manoeuvre consoles
- 311.023 Valve boards
- 311.030 Loading platforms
- 311.032 Lifting/lowering machinery
- 311.034 Locking devices
- 311.036 Manoeuvre consoles
- 311.038 Valve boards
- 311.042 Cargo shifting boards
- 311.045 Separate hydr. oil systems
- 311.047 Hydr. oil pumps w/drive unit
- 311.049 Hydr. oil preheaters
- 311.051 Hydr. oil coolers
- 311.053 Hydr. oil filters
- 311.055 Hydr. oil expansion tanks
- 311.057 Hydr. oil storage tanks

312 LOOSE TANKS FOR CARGO

- 312.001 Loose cargo tanks
- 312.002 Cement tanks
- 312.003 Mud/oil tanks
- 312.015 Loose auxiliary tanks

313 LOOSE BULKHEADS FOR CARGO, GRAIN FEEDERS

- 313.001 Loose bulkheads
- 313.015 Grain feeders

314 HOLD BATTENS & GRATING

- 314.001 Grating

315 DECK/HOLD CARGO PILLARS, BINS, SHELVES, CASES

- 315.001 Cargo supports
- 315.002 Loading rails
- 315.005 Shoring bags
- 315.010 Nets
- 315.015 Bins
- 315.020 Shelves/racks
- 315.030 Car lashing fixtures

316 PROTECTION PLATES, COVERS, HATCH TENTS & TARPAULINS

- 316.001 Protection covers/plates
- 316.010 Hatch tents
- 316.015 Seattle tents
- 316.020 Tarpaulins
- 316.025 Tarpaulin hoods

317 CONTAINERS, PALLETS

- 317.001 Containers
- 317.010 Pallets/cargo boards
- 317.015 Fish crates
- 317.020 Barges
- 317.025 Auto platforms

32 SPECIAL CARGO HANDLING EQUIPMENT

321 CARGO LIFTS

- 321.001 Cargo lifts, complete
- 321.003 Lift cabins/platforms
- 321.005 Lift trunks, loose
- 321.007 Lift doors
- 321.015 Lift machinery
- 321.017 Manoeuvre consoles
- 321.019 Valve boards
- 321.030 Lifting/articulated board, complete
- 321.045 Separate hydr. oil systems
- 321.047 Hydr. oil pumps w/drive unit
- 321.049 Hydr. oil preheaters
- 321.051 Hydr. oil coolers
- 321.053 Hydr. oil filters
- 321.055 Hydr. oil expansion tanks
- 321.057 Hydr. oil storage tanks

322 ROLLER WAYS, ROLLER CONVEYORS, TURNTABLES

- 322.001 Roller conveyors, complete
- 322.010 Roller ways, complete
- 322.020 Turn tables, complete

323 TRAVELLING CRANES IN CARGO HOLDS

- 3230.01 Travelling cranes, complete

324 BULLDOZERS, MECHANICAL SHOVELS, TROLLEYS, TRUCKS

- 324.001 Bulldozers
- 324.005 Mechanical shovels
- 324.010 Shoveldozers
- 324.015 Forklifts
- 324.020 Trolleys
- 324.025 Charging apparatus

325 SELF LOADERS, SCREW TRANSPORTERS, CONVEYOR BELTS

- 325.001 Conveyor belts, complete
- 325.005 Screw transporters, complete
- 325.010 Bucket elevators, complete
- 325.015 Charging chutes, complete
- 325.020 Cargo ducts, complete
- 325.025 Separate weighing equipment

326 PNEUMATIC PLANTS FOR BULK CARGO HANDLING

- 326.001 Air compressor aggregates
- 326.003 Air compressors w/drive unit
- 326.005 Oil/water separators
- 326.008 Air bottles/tanks, loose
- 326.015 Grain vacuum/blower plants
- 326.020 Cement plant, complete
- 326.022 Cement ejectors
- 326.030 Air compressor LO systems
- 326.031 LO pumps w/drive unit
- 326.032 LO coolers
- 326.033 LO filters
- 326.034 LO tanks

327 GRABBING/LIFTING EQUIP. FOR CRANES, MASTS & BOOMS FOR CARGO

- 327.001 Grabs
- 327.005 Timber grabs
- 327.007 Pallet yokes
- 327.010 Lifting yokes
- 327.013 Lifting forks
- 327.016 Can/barrel hooks
- 327.019 Lifting magnets
- 327.022 Plate clamps
- 327.025 Loading/discharge containers
- 327.028 Cargo trays
- 327.031 Cargo boxes
- 327.034 Sling rope/belt slings/nets

33 DECK CRANES FOR CARGO

331 ROTATING CRANES W/CRANE PILLARS

- 331.001 Rotating single cranes, complete

331.005 Crane foundations
331.009 Crane pillars w/house, machinery
331.010 Manoeuvre consoles
331.013 Crane jibs
331.017 Wire arrangement
331.021 Rotating twin cranes, complete
331.025 Crane foundations
331.029 Crane pillars w/house, machinery
331.030 Manoeuvre consoles
331.033 Crane jibs
331.037 Wire arrangement
331.040 Jib crutches
331.044 Separate weighing equipment
331.045 Separate hydr. oil systems
331.047 Hydr. oil pumps w/drive unit
331.049 Hydr. oil preheaters
331.051 Hydr. oil coolers
331.053 Hydr. oil filters
331.055 Hydr. oil expansion tanks
331.057 Hydr. oil storage tanks

332 ROTATING TRAVELLING CRANES W/RAILS

332.001 Rotating travelling crane, complete
332.005 Hatch covers w/crane foundations
332.007 Crane propulsion machinery
332.009 Crane pillars w/house, machinery
332.010 Manoeuvre consoles
332.013 Crane jibs
332.017 Wire arrangement
332.020 Jib crutches
332.024 Separate weighing equipment
332.045 Separate hydr. oil systems
332.047 Hydr. oil pumps w/drive unit
332.049 Hydr. oil preheaters
332.051 Hydr. oil coolers
332.053 Hydr. oil filters
332.055 Hydr. oil expansion tanks
332.057 Hydr. oil storage tanks

333 TRAVELLING TRAVERSE CRANES W/RAILS

333.001 Travelling traverse cranes, complete
333.003 Gantry structures w/machinery
333.005 Carriage w/machinery
333.024 Separate weighing equipment
333.045 Separate hydr. oil systems
333.047 Hydr. oil pumps w/drive unit
333.049 Hydr. oil preheaters
333.051 Hydr. oil coolers
333.053 Hydr. oil filters
333.055 Hydr. oil expansion tanks
333.057 Hydr. oil storage tanks

334 OTHER CRANES W/EQUIPMENT FOR CARGO

334.001 Stationary gantry cranes, complete

334.003 Gantry structures, complete

334.005 Carriage w/machinery

334.011 Bascule crane, complete

334.019 Crane pillars w/house

334.020 Manoeuvre consoles

334.023 Crane jibs

334.027 Wire arrangement

334.045 Separate hydr. oil systems

334.047 Hydr. oil pumps w/drive unit

334.049 Hydr. oil preheaters

334.051 Hydr. oil coolers

334.053 Hydr. oil filters

334.055 Hydr. oil expansion tanks

334.057 Hydr. oil storage tanks

34 MASTS, DERRICK POSTS, RIGGING & WINCHES FOR CARGO

341 MASTS, DERRICK POSTS

- 341.001 Masts w/fittings, complete
- 341.005 Derrick posts
- 341.010 Top platforms
- 341.015 Top masts
- 341.020 Look-out platforms/crows nests
- 341.025 Lantern brackets/screens
- 341.030 Topping fittings
- 341.035 Derrick heel fittings
- 341.040 Ladders, complete

342 DERRICK BOOMS, BOOM RESTS

- 342.001 Derricks w/fitting, complete
- 342.010 Derrick crutches

343 STANDING RIGGING

344 RUNNING RIGGING

- 344.001 Measuring/weighing equipment

345 HOISTING WINCHES

- 345.001 Hoisting winches complete
- 345.005 Hoisting/topping winches, complete
- 345.010 Hoisting/slewing winches, complete
- 345.015 Hoisting/slewing/topping winches, complete
- 345.020 Cargo winch manoeuvre stands
- 345.025 Portable winch manoeuvre units
- 345.045 Separate hydr. oil systems
- 345.047 Hydr. oil pumps w/drive unit
- 345.049 Hydr. oil preheaters
- 345.051 Hydr. oil coolers
- 345.053 Hydr. oil filters
- 345.055 Hydr. oil expansion tanks
- 345057 Hydr. oil storage tanks

346 MANOEUVRING WINCHES FOR DERRICK BOOMS

- 346.001 Topping winches, complete
- 346.005 Slewing winches, complete
- 346.010 Topping/slewing winches, complete
- 346.020 Manoeuvre stands
- 346.025 Portable winch manoeuvre units
- 346.045 Separate hydr. oil systems

346.047 Hydr. oil pumps w/drive unit
346.049 Hydr. oil preheaters
346.051 Hydr. oil coolers
346.053 Hydr. oil filters
346.055 Hydr. oil expansion tanks
346.057 Hydr. oil storage tanks

347 COMMON PLANTS FOR CARGO WINCHES

347.001 Cargo winch manoeuvre stands
347.005 Portable winch manoeuvre units
347.045 Common hydr. oil systems
347.047 Hydr. oil pumps w/drive unit
347.051 Hydr. oil preheaters
347.055 Hydr. oil coolers
347.059 Hydr. oil filters
347.063 Hydr. oil expansion tanks
347.065 Hydr. oil storage tanks
347.070 Regulating aggregate

35 LOADING/DISCHARGING SYSTEMS FOR LIQUID CARGO

351 LOADING/DISCHARGING PUMPS

- 351.001 Cargo pumps w/bulkhead penetration
- 351.005 Cargo pump drive units
- 351.009 Spray pumps w/drive unit
- 351.010 Evacuation plants
- 351.012 Vacuum pumps w/drive unit
- 351.014 Vacuum ejectors
- 351.016 Vacuum pump coolers
- 351.018 Evacuation filters
- 351.020 Separator tanks
- 351.021 Self priming systems
- 351.022 Self priming units
- 351.024 Recirculation tanks
- 351.030 Cargo aggregate hydr. oil systems
- 351.031 Hydr. oil pumps w/drive unit
- 351.033 Hydr. oil preheaters
- 351.035 Hydr. oil coolers
- 351.037 Hydr. oil exp. tanks
- 351.039 Hydr. oil storage tanks
- 351.040 Cargo aggregate LO systems
- 351.041 LO pumps w/drive unit
- 351.043 LO coolers
- 351.045 LO filters
- 351.047 LO tanks
- 351.050 Cargo aggregate FO systems
- 351.051 FO pumps w/drive unit
- 351.053 FO preheaters
- 351.055 FO filters
- 351.057 FO tanks
- 351.060 Cargo aggregate air supply systems
- 351.061 Fans w/drive unit
- 351.062 Silencers 351063 Air filters
- 351.065 Cargo aggregate exhaust systems
- 351.066 Silencers
- 351.067 Spark arresters
- 351.070 Cargo aggregate cooling systems
- 351.071 Cooling pumps w/drive unit
- 351.073 Heat exchangers
- 351.075 Cooling medium tanks

352 LOADING/DISCHARGING SYSTEMS ON DECK

- 352.001 Cargo heat exchangers
- 352.005 Cargo filters
- 352.010 Safety valve drain tanks
- 352.015 Drip trays
- 352.020 Cargo hoses
- 352.025 Hose adaptors
- 352.030 Cargo hose stowing equipment

353 LOADING/DISCHARGING SYSTEMS IN PUMP ROOMS

- 353.001 Cargo heat exchangers
- 353.005 Air vessels
- 353.010 Cargo filters

354 LOADING/DISCHARGING SYSTEMS IN CARGO TANKS

- 354.001 Suction spouts
- 354.010 Drop valves

355 LOADING/DISCHARGING SYSTEMS FOR LPG/LNG IN GASEOUS PHASE

- 355.001 Compressor aggregates, complete
- 355.003 Compressors w/bulkhead penetration
- 355.005 Compressor drive units
- 355.007 Cargo heat exchangers
- 355.009 Cargo suction filters
- 355.013 Cargo hoses
- 355.015 Hose adaptors
- 355.020 Cargo hose stowing equipment
- 355.030 Compressor aggregate hydr. oil systems
- 355.031 Hydr. oil pumps w/drive unit
- 355.033 Hydr. oil preheaters
- 355.037 Hydr. oil expansion tanks
- 355.039 Hydr. oil storage tanks
- 355.040 Compressor aggregate LO systems
- 355.041 LO pumps w/drive unit
- 355.043 LO coolers
- 355.045 LO filters
- 355.047 LO tanks
- 355.050 Compressor aggregate FO systems
- 355.051 FO pumps w/drive unit
- 355.053 FO preheaters
- 355.055 FO filters
- 355.057 FO tanks
- 355.060 Compressor aggregate air supply systems
- 355.061 Fans w/drive unit
- 355.062 Silencers
- 355.063 Air filters
- 355.065 Compressor aggregate exhaust systems
- 355.066 Silencers
- 355.067 Spark arresters
- 355.070 Compressor aggregate cooling systems
- 355.071 Cooling pumps w/drive unit
- 355.073 Heat exchangers
- 355.075 Cooling medium tanks

356 SEPARATE STRIPPING SYSTEMS

- 356.001 Stripping pumps w/drive unit
- 356.005 Stripping ejectors
- 356.015 Cargo suction filters
- 356.018 Air vessels

356.020 Stripping separators

356.025 Separator water tanks

357 MUD SYSTEMS W/PUMPS, PIPING

357.001 Mud discharge pumps

357.002 Mud circulating pumps

357.003 Mud agitators

357.010 Mud tanks

36 FREEZING, REFRIGERATING & HEATING SYSTEMS FOR CARGO

361 INSULATION & SHEATHING OF CARGO HOLDS/TANKS

361.001 Insulation

362 FREEZING & REFRIGERATING SYSTEMS FOR DRY CARGO

362.001 Cooling aggregate cooling medium

362.003 Cooling compressors w/drive unit

362.005 Condensers

362.007 Liquid receivers

362.009 Evaporators

362.011 Liquid separators

362.013 Drying filters

362.015 Suction filters

362.017 Oil separators

362.019 Cooling medium circulating pumps

362.021 Cooling medium supply pumps

362.023 Cooling medium tanks

362.025 Local control panels

362.030 Brine coolers

362.032 Brine preheaters

362.034 Brine mixing tanks

362.036 Brine circulating pumps

362.038 Brine supply pumps

362.040 Brine tanks

362.042 Cooling batteries

362.044 Circulating fans

362.070 Compressor LO systems

362.071 LO pump

362.073 LO filters

362.075 LO separator

362.077 LO coolers

362.079 LO tanks

363 DIRECT COOLING SYSTEMS FOR LIQUID CARGO

363.001 1. stage cooling compressors

363.003 Compressors w/bulkhead penetration

363.005 Compressor drive units

363.007 Condensers

363.009 Liquid receivers

363.010 2. stage cooling compressors

363.012 Compressors w/bulkhead penetration

363.014 Compressor drive units

363.016 Condensers

363.018 Liquid receivers

363.020 Intermediate pressure tanks

363.021 Suction filters

363.022 Liquid separators

363.023 Heat exchangers
363.026 Return pumps
363.070 Compressor LO systems
363.071 LO pumps
363.073 LO filters
363.075 LO separator
363.077 LO coolers
363.079 LO tanks

364 CASCADE COOLING SYSTEMS FOR LIQUID CARGO

364.001 1. stage primary system compressor aggregates
364.003 Compressors w/bulkhead penetration
364.005 Compressor drive units
364.007 Condensers
364.009 Liquid receivers
364.010 2. stage primary system compressor aggregates
364.012 Compressors w/bulkhead penetration
364.014 Compressor drive units
364.016 Condensers
364.018 Liquid receivers
364.020 Primary system intermediate pressure tanks
364.021 Primary system suction filters
364.022 Primary system liquid separators
364.023 Primary system heat exchangers
364.026 Primary system return pumps
364.030 1. stage secondary system compressor aggregates
364.032 Compressors w/drive unit
364.034 Condensers
364.036 Liquid receivers
364.039 2. stage secondary system compressor aggregates
364.041 Compressors w/drive unit
364.043 Condensers
364.045 Liquid receivers
364.050 Secondary system intermediate tanks
364.051 Secondary system suction filters
364.052 Secondary system drying filters
364.053 Secondary system liquid separators
364.054 Secondary system return pumps
364.055 Secondary system oil separators
364.056 Cooling medium tanks
364.057 Cooling medium supply pumps
364.058 Cooling medium bottles
364.070 Compressor LO systems
364.071 LO pumps
364.073 LO coolers
364.075 LO filters
364.077 LO separator
364.079 LO tanks

365 INDIRECT COOLING/HEATING SYSTEMS, CARGO OIL HEATING

365.001 Cooling medium cooling aggregates

365.003 Cooling compressors w/drive unit
365.005 Condensers
365.007 Liquid receivers
365.009 Evaporators
365.011 Liquid separators
365.013 Drying filters
365.015 Suction filters
365.017 Oil separators
365.019 Cooling medium circulating pumps
365.021 Cooling medium supply pumps
365.023 Cooling medium tanks
365.025 Local control panels
365.030 Brine coolers
365.033 Brine preheaters
365.035 Brine mixing tanks
365.037 Brine circulating pumps
365.039 Brine supply pumps
365.041 Brine tanks
365.043 Heat exchangers
365.070 Compressor LO systems
365.071 LO pumps
365.073 LO filters
365.075 LO separator
365.077 LO coolers
365.079 LO tanks

37 GAS/VENTILATION SYSTEMS FOR CARGO HOLDS/TANKS

371 VENTILATION SYSTEMS FOR REFRIGERATED CARGO HOLDS

- 371.001 Make-up air aggregates
- 371.003 Make-up air fans w/drive unit
- 371.005 Intake jalousies
- 371.007 Mixing batteries
- 371.009 Local control panels
- 371.010 Ventilation aggregates
- 371.012 Ventilation fans w/drive unit
- 371.014 Air dryers
- 371.016 Air filters
- 371.018 Local control panels
- 371.020 Ozone plants
- 371.021 Ozone generators
- 371.022 Suction fans
- 371.024 Drying filters
- 371.026 Dust filters
- 371.028 Collection pipes
- 371.029 Local control panels

372 CLOSED VENTILATION/RETURN VAPOUR SYSTEMS FOR CARGO HOLDS

- 372.001 Make-up air aggregates
- 372.003 Make-up air fans w/drive unit
- 372.005 Intake jalousies
- 372.007 Mixing batteries
- 372.009 Local control panels
- 372.010 Ventilation aggregates
- 372.012 Ventilation fans w/drive unit
- 372.014 Air dryers
- 372.016 Air filters
- 372.017 Heating batteries
- 372.019 Local control panels
- 372.020 Ozone plants
- 372.021 Ozone generators
- 372.022 Suction fans
- 372.024 Drying filters
- 372.026 Dust filters
- 372.028 Collection pipes
- 372.029 Local control panels

373 OPEN VENTILATION SYSTEMS FOR CARGO HOLDS

- 373.001 Ventilation aggregates
- 373.003 Ventilation fans w/drive unit
- 373.005 Air dryers
- 373.007 Heating batteries

373.009 Air filters
373.015 Rotating air cowls
373.020 Air cowls w/fan

374 VENT./GAS FREEING SYSTEMS FOR TANKS, WIND SAILS W/EQUIPMENT

374.001 Stationary fan aggregates
374.005 Portable fan aggregates
374.010 Ejectors
374.015 Wind sails, complete
374.020 Exhaust gas masts
374.025 Exhaust gas mast fans
374.030 Circulating pumps
374.035 Heating coils
374.040 Heat exchangers

375 BLOW-OFF SYST. FROM SAFETY VALVES (PRESSURE/VACUUM VALVES)

375.001 Pressure/vacuum valves
375.005 Pressure/vacuum breakers
375.010 Exhaust gas masts
375.012 Exhaust gas mast fans
375.014 Flame arresters
375.015 Ejectors
375.018 Pressure membranes
375.025 Gas pressure gauges

376 INERT GAS SYSTEMS W/CONDITIONING PLANT

376.001 Inert gas plant w/gas generator
376.003 Oil burners
376.005 Scrubbers
376.007 Freon compressors w/condenser
376.009 Freon coolers
376.011 Gas dryers
376.013 Condensate tanks
376.015 Gas filters
376.017 Gas fans
376.025 Inert gas plant w/exhaust gas
376.027 Afterburners
376.029 Scrubbers
376.031 Gas dryers
376.033 Condensate tanks
376.035 Gas filters
376.037 Gas fans
376.040 Inert gas plant without combustion
376.041 N2 tanks
376.043 N2 evaporators
376.044 N2 heat exchangers
376.045 N2 superheaters
376.046 N2 dehydrators
376.050 Watertraps

376.053 Pressure/vacuum breakers
376.055 O2 analyzers/regulators
376.057 Burner FO systems
376.058 FO pumps w/drive unit
376.059 FO preheaters
376.060 FO filters
376.061 FO tanks
376.062 Flowmeter
376.065 Inert gas plant cooling systems
376.066 Scrubber cooling water pumps
376.067 Burner cooling water pumps
376.070 Burner air supply systems
376.071 Air fans w/drive unit
376.072 Air compressors
376.073 Air filters

38 AUXILIARY SYSTEMS & EQUIPMENT FOR CARGO

381 SOUNDING, SURVEIL. & OPERATING EQUIPMENT FOR CARGO SYSTEMS

- 381.001 Cargo plant manoeuvre consoles
- 381.002 Ferry ramp radio control
- 381.005 Cargo plant instrument consoles
- 381.010 Cargo plant automation centrals
- 381.015 Pump automation centrals
- 381.020 Fan automation centrals
- 381.025 Compressor automation centrals
- 381.030 Separator automation centrals
- 381.040 Remote sounding systems
- 381.041 Remote sounding sensors
- 381.044 Remote sounding indicators
- 381.046 Local gas indicators
- 381.050 Temperature indicator centrals
- 381.053 Pressure indicator centrals
- 381.056 Gas indicator centrals
- 381.060 Data loggers
- 381.063 Cargo control EDP plants
- 381.064 Central processing units
- 381.065 Interface input equipment
- 381.066 Interface output equipment
- 381.067 Peripheral equipment
- 381.068 Secondary storages
- 381.070 Separate hydr. oil systems
- 381.071 Hydr. oil pumps w/drive unit
- 381.073 Hydr. oil preheaters
- 381.075 Hydr. oil coolers
- 381.077 Hydr. oil expansion tanks
- 381.079 Hydr. oil storage tanks

382 TANK CLEANING SYSTEMS & EQUIPMENT

- 382.001 Tank cleaning pumps
- 382.005 Water preheaters
- 382.008 Cleaning guns
- 382.010 Cleaning gun motors
- 382.015 Tank cleaning apparatus
- 382.020 Drain coolers
- 382.025 Tank cleaning dosage aggregates
- 382.026 Dosage pumps
- 382.029 Dosage tanks

383 LIFTING GEAR FOR CARGO HOSES

- 383.001 Cargo hose cranes
- 383.005 Cargo hose davits
- 383.010 Cargo hose crane winches
- 383.011 Derrick posts
- 383.013 Derrick booms
- 383.015 Derrick winches
- 383.020 Boom crutches

384 SEPARATE COOLING WATER SYSTEMS FOR CARGO EQUIPMENT

- 384.001 Cargo plant cooling water systems
- 384.004 Cooling water pumps w/drive unit
- 384.007 Cooling water filters
- 384.010 Heat exchangers
- 384.013 Cooling water tanks
- 384.020 RSW plants
- 384.022 SW cooling pumps
- 384.024 Heat exchangers
- 384.026 Loose tanks
- 384.030 Glycol plants
- 384.032 Glycol coolers
- 384.034 Glycol pumps
- 384.036 Glycol heaters
- 384.038 Glycol tanks

385 INSULATION DRYING SYSTEM FOR CARGO HOLDS/TANKS

- 385.001 Ventilation fans
- 385.005 Dehydrators

386 EQUIPM. F. ADDITION OF PRESERVATIVES, INHIBITORS, SPIRITS

- 386.001 Dosage aggregates
- 386.005 Dosage pumps
- 386.010 Dosage tanks

387 SPECIAL STRUCTURES FOR LOADING/DISCHARGING OVER STERN/STEM

4 SHIP EQUIPMENT

40 MANOEUVRING MACHINERY & EQUIPMENT

401 RUDDER W/WELDED PARTS

- 401.001 Rudder blades
- 401.005 Rudders w/nozzle
- 401.010 Nozzle rudders

402 RUDDER CARRIERS, RUDDER STOCKS, RUDDER BEARINGS

- 402.001 Rudder stocks
- 402.002 Rudder stock linings
- 402.003 Rudder nuts
- 402.004 Rudder axels/pintles
- 402.007 Rudder stock bearings
- 402.010 Rudder stock carriers
- 402.013 Rudder stuffing boxes
- 402.016 Rudder stock bearing LO equipment
- 402.020 Active rudder propellers
- 402.025 Propeller drive units

403 STEERING GEAR/COLUMNS, TELEMOTOR SYS., RUDDER IND., EMERG.ST

- 403.001 Steering gears, complete
- 403.003 Steering columns
- 403.005 Hydr. oil pump aggregates
- 403.006 Hydr. oil pumps
- 403.007 Hydr. oil pump drive units
- 403.009 Hydr. oil filters
- 403.010 Hydr. oil magnetic filters
- 403.012 Hydr. oil storage tanks
- 403.013 Hydr. oil pressure tanks
- 403.014 Hydr. oil drain tanks
- 403.015 Hydr. oil cylinders
- 403.017 El. steering gear
- 403.020 Telemotor units
- 403.025 Emergency steering aggregates
- 403.030 Rudder indicators
- 403.050 Steering gear el. control systems
- 403.055 Steering gear remote control
- 403.060 Steering gear starter panels

404 SIDE THRUSTERS

- 404.001 Transverse propellers
- 404.005 Transverse propeller motors
- 404.010 Transverse propeller remote control
- 404.011 Transverse propeller nozzle
- 404.015 Local operation panels
- 404.030 Transverse propeller hydr. systems
- 404.031 Hydr. oil pumps w/drive unit

404.033 Hydr. oil preheaters
404.035 Hydr. oil coolers
404.037 Hydr. oil expansion tanks
404.039 Hydr. oil storage tanks.
404.040 Transverse propeller LO systems
404.041 LO pumps w/drive unit
404.043 LO coolers
404.045 LO filters
404.047 LO tanks
404.050 Transverse propeller FO systems
404.051 FO pumps w/drive unit
404.053 FO preheaters
404.055 FO filters
404.057 FO tanks
404.060 Transverse propeller air supply systems
404.061 Fans w/drive unit
404.062 Silencers
404.063 Air filters
404.065 Transverse propeller exhaust systems
404.066 Silencers
404.067 Spark arresters
404.070 Transverse propeller cooling systems
404.071 Cooling pumps w/drive unit.
404.073 Heat exchangers
404.075 Cooling medium tanks

405 STABILIZERS

405.001 Stabilizer fins
405.005 Stabilizer fin moving machinery
405.020 Pump aggregates
405.025 Local sounding apparatus
405.030 Remote sounding apparatus
405.045 Separate hydr. oil systems
405.047 Hydr. oil pumps w/drive unit
405.049 Hydr. oil preheaters
405.051 Hydr. oil coolers
405.053 Hydr. oil filters
405.055 Hydr. oil expansion tanks
405.057 Hydr. oil storage tanks
405.060 Passive stabilizer plants
405.061 Passive stabilizer instrumentation

406 BRAKES

406.001 Shaft brakes
406.003 Flaps
406.005 Flap moving machinery
406.007 Flap operating panels
406.010 Water parachute brakes
406.045 Separate hydr. oil systems
406.047 Hydr. oil pumps w/drive unit
406.049 Hydr. oil preheaters

406.051 Hydr. oil coolers
406.053 Hydr. oil filters
406.055 Hydr. oil expansion tanks
406.057 Hydr. oil storage tanks

407 BUBBLE PLANTS

407.001 Compressor aggregates
407.002 Compressors w/drive unit
407.004 Oil/water separators
407.006 Coolers
407.008 Compressor aggregate automation centrals
407.030 Compressor aggregate hydr. systems
407.031 Hydr. oil pumps w/ drive unit
407.033 Hydr. oil preheaters
407.035 Hydr. oil coolers
407.037 Hydr. oil expansion tanks
407.039 Hydr. oil storage tanks
407.040 Compressor aggregate LO systems
407.041 LO pumps w/drive unit
407.043 LO coolers
407.045 LO filters
407.047 LO tanks
407.050 Compressor aggregate FO systems
407.051 FO pumps w/drive unit
407.053 FO preheaters
407.055 FO filters
407.057 FO tanks
407.060 Compressor aggregate air supply systems
407.061 Fans w/drive unit
407.062 Silencers
407.063 Air filters
407.065 Compressor aggregate exhaust systems
407.066 Silencers
407.067 Spark arresters
407.070 Compressor aggregate cooling systems
407.071 FW cooling water pumps
407.072 SW cooling water pumps
407.073 Heat exchangers
407.075 Cooling medium tanks

408 DYNAMIC POSITIONING SYSTEMS

408.001 Dynamic positioning plants
408.003 Acoustic transmitters
408.004 Swinger bottom valve
408.005 Hydrophones
408.007 Reference cells
408.009 Self tension winches
408.011 EDP plants
408.012 Tension wire moonpools
408.045 Separate hydr. oil systems

408.047 Hydr. oil pumps w/drive unit
408.049 Hydr. oil preheaters
408.051 Hydr. oil coolers
408.053 Hydr. oil filters
408.055 Hydr. oil expansion tanks
408.057 Hydr. oil storage tanks

41 NAVIGATION & SEARCHING EQUIPMENT

411 RADAR PLANTS

- 411.001 Radar plants
- 411.004 Radar antenna
- 411.005 Deicing equipment
- 411.007 Signal converters
- 411.009 Pedestals
- 411.010 Indicator screens
- 411.011 Reflection plotters
- 411.012 Radar alarms
- 411.013 Interswitching units
- 411.016 Power converters
- 411.019 Power transformers
- 411.021 Gyro stabilizers
- 411.022 Gyro converters
- 411.025 Anticollision plant (ARPA)
- 411.027 Slave indicator screens
- 411.029 Signal converters
- 411.040 Plotting tables
- 411.042 Video plotters
- 411.044 Electronic plotters
- 411.046 Data loggers
- 411.048 Electronic units
- 411.050 Power supply

412 DECCA, LORAN, OMEGA, RADIO DIRECTION FINDER

- 412.001 Decca plants w/antenna
- 412.003 Decca receivers
- 412.005 Power converters
- 412.006 Indicators
- 412.010 Loran plants w/antenna
- 412.013 Loran receivers
- 412.015 Power converters
- 412.017 Electronic units
- 412.020 Omega plants w/antenna
- 412.023 Omega receivers
- 412.025 Power converters
- 412.027 Electronic units
- 412.030 Consol plants w/antenna
- 412.033 Consol receivers
- 412.035 Power converters
- 412.037 Electronic units
- 412.040 Satellite navigation plants
- 412.041 Satellite navigation antenna
- 412.043 Satellite navigation receivers
- 412.045 Power converters
- 412.047 Electronic units
- 412.048 Printers
- 412.050 Inertia navigation systems
- 412.060 Doppler plants

- 412.065 MIPS plants w/antenna
- 412.070 MF/HF radio direction finders w/antenna
- 412.075 VHF radio direction finders w/antenna

413 GYRO PLANTS, AUTOPILOTS, COMPASSES

- 413.001 Gyro plants
- 413.002 Master compass
- 413.004 Analog repeater compass
- 413.005 Digital repeater compass
- 413.006 Control boxes
- 413.008 Generators
- 413.010 Autopilots
- 413.012 Course recorders
- 413.013 Course deviation recorders
- 413.014 Position recorders
- 413.016 Electronic units
- 413.020 Separate compass
- 413.022 Standard compass
- 413.030 Rate of turn indicators

414 UNDERWATER SEARCHING EQUIPM.: ASDIC, ECHO SOUNDER, SPEED LOG

- 414.001 Echo sounders
- 414.002 Transmitters/receivers
- 414.004 Indicator screens
- 414.005 Bottom equipment
- 414.006 Digital depth indicators
- 414.007 Echo sounder alarms
- 414.008 Data loggers
- 414.009 Electronic units
- 414.010 Hand leads
- 414.012 Deep sea leads
- 414.015 Sounding apparatus
- 414.016 Hand logs
- 414.017 Mechanical patent/tow logs w/line
- 414.018 Fish magnifiers
- 414.023 Electronic units
- 414.024 Bottom equipment
- 414.025 Electromagnetic logs w/outfit
- 414.026 Indicators
- 414.027 Electronic units
- 414.028 Bottom equipment
- 414.029 Bottom equipment gate valve
- 414.030 Asdic plant
- 414.031 Sound transmitters
- 414.032 Bottom equipment
- 414.033 Hydrophones
- 414.036 Indicators
- 414.037 Electronic units
- 414.040 Sonar plants
- 414.041 Bottom equipment
- 414.042 Hydrophones

414.043 Indicators
414.045 Electronic units
414.046 Sound transmitters
414.050 Doppler logs
414.051 Bottom equipment
414.052 Indicators
414.054 Electronic units
414.055 Doppler sonar two axis logs
414.056 Bottom equipment
414.057 Indicators
414.058 Doppler sonar current indicators
414.059 Indicators
414.060 Interference rejectors
414.061 Electronic units
414.062 Bottom equipment
414.065 Underwater searching equipment sluices
414.069 Electronic units
414.070 Trawl probes
414.072 Paravane receivers
414.074 Catch sensors
414.076 Catch sensor receivers
414.077 Trawl probe winches
414.078 Trawl probe winch control units
414.079 Batteries

415 CLINOMETERS, TRIM INDICATORS, LOAD INDICATORS

415.001 Clinometers
415.005 Trim indicators
415.010 Sag indicators
415.015 Draught gauges
415.020 Load calculators
415.030 Hull stress monitors
415.040 Air cushion indicators
415.042 Indicators
415.044 Sensors
415.046 Electronic units

416 NAVIGATION TV

416.001 Navigation TV plants
416.002 TV cameras
416.004 Monitors
416.006 Electronic units
416.020 Periscope

417 CLOCKS, FACSIMILE RECORDERS, MISC. NAUTICAL EQUIPMENT

417.001 Master clock systems
417.002 Master clocks
417.003 Satellite clocks
417.010 Chronometers
417.011 Radio clocks
417.012 Binoculars

417.013 Night binoculars
417.014 Sextants
417.015 Antenna
417.016 Pelorus
417.018 Facsimile recorders w/antenna
417.020 Azimuth apparatus
417.022 Course pointers
417.024 Planimeters
417.026 Integrators
417.030 Electronic windgauges
417.031 Mechanical windgauges
417.032 Wind indicators
417.035 Barometers
417.037 Thermometers
417.038 Hygrometers
417.050 Misc. nautical equipment
417.053 Parallel rulers
417.055 Roll rulers
417.057 Protractors
417.059 Dividers
417.061 Chart lenses

418 RADAR, SIGNAL, OBSERVATION & ANTENNA MASTS

418.001 Radar masts
418.003 Signal masts
418.005 Observation masts
418.006 Crows nests
418.007 Masthead light masts
418.008 After light masts
418.010 Anchor light masts
418.012 Towing light masts
418.013 Antenna masts
418.014 Mast stays

419 INTEGRATED NAVIGATION SYSTEMS

419.001 Central bridge consoles

42 COMMUNICATION EQUIPMENT

421 RADIO PLANT, GMDSS

- 421.001 Main radio telegraph sets
- 421.002 Main telegraph transmitter/receiver
- 421.004 Main telegraph transmitter
- 421.006 Spare radio telegraph sets
- 421.007 Spare telegraph transmitter/receiver
- 421.009 Main receiver antenna
- 421.010 Spare transmitter/receiver antenna
- 421.011 Control panels
- 421.015 Radio telephone sets
- 421.017 Radio telephone antenna
- 421.020 Control panels
- 421.025 Autoalarm apparatus
- 421.026 Alarm executants
- 421.027 Automatic keying devices
- 421.028 Watch receiver
- 421.035 Main transmitter/receiver antenna
- 421.041 Autoalarm antenna
- 421.045 Power converters
- 421.047 Power transformers
- 421.049 Batteries
- 421.050 Battery boxes
- 421.051 Loudspeakers
- 421.053 Taperecorders
- 421.055 Tools
- 421.060 MF/HF selective calling receiver w/antenna
- 421.063 Cryptography units

422 LIFEBOAT RADIO TRANSMITTERS, EPIRBs

- 422.001 Portable lifeboat radio equipment
- 422.002 Lifeboat radio sets
- 422.003 Lifeboat radio antenna
- 422.005 VHF emergency position indicating radio beacons
- 422.006 VHF float-free emergency position indicating radio beacons
- 422.007 VHF emergency communication sets
- 422.020 Radar transponders

423 DATA TRANSMISSION PLANTS, COMMUNICATION

- 423.001 Telex systems
- 423.002 Printers
- 423.004 Antenna
- 423.005 Telefax systems
- 423.010 Central EDP plants
- 423.011 Central processing units
- 423.013 Interface input equipment
- 423.015 Interface output equipment
- 423.017 Peripheral equipment
- 423.019 Secondary storages
- 423.020 Network (LAN)

423.022 Modems
423.024 EDP voyage recorders
423.029 Power converters
423.033 Power transformers

424 VHF/UHF TELEPHONES

424.001 VHF radio simplex systems w/antenna
424.002 Control units
424.003 VHF radio duplex systems w/antenna
424.004 Control units
424.016 VHF selective calling receiver w/antenna
424.020 VHF/AM aviation frequency radio sets w/antenna
424.021 Control units
424.030 Power converters
424.033 Rectifiers
424.035 Power transformers
424.037 Lake transceivers
424.052 Portable VHF/AM aviation frequency radio sets
424.054 Portable UHF radio sets
424.055 Mobile telephone sets
424.056 Mobile telephone w/coin apparatus
424.058 SHF transceivers
424.060 Satellite communication systems w/antenna
424.062 Telephone responders
424.064 Tape recorders
424.066 Walkie-Talkies (citizen band)
424.070 Cryptography units

425 CALLING/COMMAND/CREW CALL TELEPHONE PLANTS, WALKIE-TALKIES

425.001 Calling systems
425.002 Calling centrals
425.004 Signal executants
425.006 Command systems
425.008 Command centrals
425.012 Stationary apparatus
425.013 Loudspeakers
425.014 Portable apparatus
425.015 Microphones
425.018 Signal executants
425.020 Crew call systems
425.021 Crew call centrals
425.023 Signal executants
425.030 Telephone plant interface units
425.031 Telephone centrals
425.032 Tele-amplified telephone systems
425.033 Telephone apparatus
425.034 Engine room rotating lights
425.035 Telephone headsets
425.036 Shore telephone transfer
425.037 Radiostation/VHF transfer
425.038 Telephone boxes

425.040 Sound powered telephone system centrals
425.042 Sound powered telephone systems
425.045 Intercommunication system centrals
425.047 Intercommunication apparatus
425.050 Intrinsically safe telephones
425.055 Loudspeaker systems
425.057 Loudspeakers
425.071 Public address systems
425.072 Control panels
425.073 Interface units
425.074 Public address apparatus
425.075 Public address loudspeakers
425.076 Public address microphones
425.079 Walkie-Talkies

426 SPEAKING TUBES, TUBE POST PLANTS

426.001 Speaking tubes
426.005 Tube post systems
426.006 Vacuum ejectors
426.008 Air compressors
426.010 Pressure tanks
426.012 Dispatch boxes

427 LIGHT & SIGNAL EQUIPMENT, LANTERNS, TYPHONS

427.001 El. typhons
427.005 Typhons w/air preheater
427.006 Typhon control panels
427.008 Water separating tanks
427.010 Megaphones
427.012 Ship's bell
427.015 Gong
427.020 National flags
427.025 Signal flags
427.030 Flag staffs
427.032 Jack staffs
427.034 Wind socks
427.036 Anchor balls
427.040 Lanterns w/control unit
427.041 Lantern battery chargers
427.042 Lantern inverters
427.043 Signal lights
427.044 Signal light control units
427.045 Morse lamps
427.047 Nife lamps
427.050 Search lights
427.051 Search light control units

43 ANCHORING, MOORING & TOWING EQUIPMENT

431 ANCHORS W/CHAINS & EQUIPMENT

- 431.001 Bow anchors w/chain
- 431.003 Stern anchors w/chain
- 431.005 Spare anchors
- 431.007 Sea anchors
- 431.009 Warping anchors
- 431.015 Spare anchor davits
- 431.020 Anchor washdown systems

432 WINDLASSES W/CHAIN STOPPERS, ROLLERS

- 432.001 Windlasses, complete
- 432.004 Chain messengers
- 432.007 Anchor winches
- 432.010 Mechanical brakes
- 432.013 Hydr. brakes
- 432.016 Windlass operating panels
- 432.020 Chain stoppers/rollers
- 432.021 Chain scissors
- 432.025 Chain gauges
- 432.045 Windlass hydr. systems
- 432.047 Hydr. oil pumps w/drive unit
- 432.049 Hydr. oil preheaters
- 432.051 Hydr. oil coolers
- 432.053 Hydr. oil filters
- 432.055 Hydr. oil expansion tanks
- 432.057 Hydr. oil storage tanks

433 COMB. WINDLASS/MOORING WINCHES W/CHAIN STOPPERS, ROLLERS

- 433.001 Combined windlass/mooring winch
- 433.005 Chain messengers
- 433.009 Mooring drums
- 433.013 Warping leads
- 433.017 Winches
- 433.021 Mechanical brakes
- 433.025 Self tension equipment
- 433.029 Hydraulic brakes
- 433.033 Operating panels
- 433.039 Chain stoppers/rollers
- 433.042 Chain gauges
- 433.045 Windlass hydr. systems
- 433.047 Hydr. oil pumps w/drive unit
- 433.049 Hydr. oil preheaters
- 433.051 Hydr. oil coolers
- 433.053 Hydr. oil filters
- 433.055 Hydr. oil expansion tanks
- 433.057 Hydr. oil storage tanks

434 CAPSTANS, WARPING & MOORING WINCHES

- 434.001 Mooring/warping winches
- 434.003 Capstans
- 434.006 Mooring drums
- 434.011 Warping heads
- 434.013 Hawser reels
- 434.016 Winches
- 434.021 Mechanical brakes
- 434.026 Self tension equipment
- 434.031 Operating panels
- 434.045 Winch hydr. systems
- 434.047 Hydr. oil pumps w/drive unit
- 434.049 Hydr. oil preheaters
- 434.051 Hydr. oil coolers
- 434.053 Hydr. oil filters
- 434.055 Hydr. oil expansion tanks
- 434.057 Hydr. oil storage tanks

435 FIXED MOORING EQUIPMENT

- 435.001 Bollards
- 435.005 Hawse pipes
- 435.010 Mooring cups
- 435.015 Rollers
- 435.020 Lake hawse pipes
- 435.025 Panama chocks
- 435.030 Fairleads
- 435.035 Rotor bollards

436 LOOSE MOORING EQUIPMENT

- 436.001 Hawser drums
- 436.003 Hawsers
- 436.005 Hawser bins
- 436.010 Fenders
- 436.015 Heaving lines
- 436.018 Rat guards
- 436.020 Mooring wire drums
- 436.025 Mooring wire

437 TOWING EQUIPMENT

- 437.001 Towing winches
- 437.002 Towing wire
- 437.003 Towing brackets
- 437.005 Towing rails
- 437.007 Towing hooks
- 437.008 Hydr. towing eyes
- 437.010 Spare wire drums
- 437.011 Hawser drums
- 437.013 Loose towing equipment, wire
- 437.016 Towing winch remote control
- 437.020 Anchor handling tongs

- 437.021 Towing pins
- 437.025 Combined powerpacks
- 437.030 Stern rollers
- 437.032 Stern roller bearings
- 437.045 Towing winch hydr. systems

438 COMMON HYDRAULIC OIL SYSTEM FOR ANCHORING/MOORING EQUIPMENT

- 438.001 Common hydr. systems
- 438.003 Hydr. oil pumps w/drive unit
- 438.006 Hydr. oil preheaters
- 438.009 Hydr. oil coolers
- 438.012 Hydr. oil filters
- 438.015 Hydr. oil expansion tanks
- 438.018 Hydr. oil storage tanks
- 438.021 Hydr. oil separating plants
- 438.030 Hydr. pump el. starter systems

439 COMMON HYDR. OIL SYST. FOR ANCHORING/MOORING/CARGO WINCHES

- 439.001 Common hydr. systems
- 439.003 Hydr. oil pumps w/drive unit
- 439.006 Hydr. oil preheaters
- 439.009 Hydr. oil coolers
- 439.012 Hydr. oil filters
- 439.015 Hydr. oil expansion tanks
- 439.018 Hydr. oil storage tanks
- 439.021 Hydr. oil separating plants
- 439.030 Hydr. pump el. starter systems

44 REP./MAINT./CLEAN. EQUIP. WORKSHOP/STORE OUTFIT, NAME PLATES

441 MACHINE TOOLS, CUTTING & WELDING EQUIPMENT

- 441.001 Lathes
- 441.003 Drilling machines
- 441.005 Milling machines
- 441.007 Grinding machines
- 441.008 Emery wheels
- 441.009 Planing machines
- 441.011 Shaping machines
- 441.013 Tube bending machines
- 441.014 Tube cutters
- 441.015 Hack saws
- 441.017 Plate shearing machines
- 441.019 Plate presses
- 441.021 Plate rollers
- 441.023 Gas welding equipment
- 441.025 El. welding equipment
- 441.027 Geberitt welding equipment

442 TOOLS/EQUIP. FOR ENGINEERS, ELECTR., BOATSWAINS, CARPENTERS

- 442.001 Engineer's portable tools
- 442.002 Emery wheels
- 442.004 Portable grinding machines
- 442.006 Portable drills
- 442.008 Nut drivers
- 442.010 Screwdriver sets
- 442.012 Socket wrench sets
- 442.014 Constant wrench sets
- 442.016 Phillips screwdriver sets
- 442.017 Jaw pullers
- 442.018 Anvils
- 442.020 Hammer tools
- 442.022 Vices
- 442.024 Tongs
- 442.026 Blow torches
- 442.027 Max. pressure indicators
- 442.028 Loose lubricating equipment
- 442.030 Loose gauging instruments
- 442.032 Misc. loose engineer's machine tools
- 442.035 Electrician's tools
- 442.036 Soldering irons
- 442.038 Test panels
- 442.040 Test instruments
- 442.041 Pressostat calibrators
- 442.042 Thermostat calibrators
- 442.043 Insulated hand tools

442.044 Misc. loose electrician's tools
442.045 Battery service sets
442.050 Boatswain's/carpenter's tools
442.051 Sailmaker's equipment
442.052 Boatswain's chairs
442.053 Rigging tools
442.055 Carpenter's benches
442.057 Axes/saws
442.059 Planers
442.060 Misc. woodworking tools
442.062 Jacks
442.064 Step ladders
442.066 Misc. loose tools

443 PAINTING EQUIPMENT, SCAFFOLDING, PAINT RAFTS/BOATS (GIGS)

443.001 Paint boats
443.003 Paint rafts
443.005 Paint boat/raft davits
443.007 Paint scaffolding
443.009 Sand blasting equipment
443.011 Rust hammers
443.013 Paint spraying equipment
443.015 Pressure paint rollers
443.020 Misc. loose painting equipment

444 CLEANING EQUIPMENT, GARBAGE CHUTES

444.001 Deck cleaning machines
444.002 High pressure cleaning machines
444.003 Hull cleaning machines
444.005 Cleaning winches
444.007 Floor polishers
444.009 Sweeping machines
444.011 Vacuum cleaners
444.013 Soot sweeping machines
444.015 Misc. storage containers
444.017 Misc. loose cleaning equipment
444.020 Loose paraffin tanks
444.022 Cleaning pans
444.024 Filter steaming tanks
444.026 LO cooler cleaning plants
444.028 Scavenging air cooler cleaning plants
444.030 Evaporator plants
444.032 Garbage crates
444.035 Chemical spraying units

445 GARBAGE DISPOSAL PLANTS, INCINERATORS

445.001 Garbage incinerator plants
445.003 Combustion chambers
445.005 Air supply fans
445.007 Garbage feeder transporter
445.009 Oil sludge treatment plants

445.011 DO pumps
445.013 DO filters
445.015 DO tanks
445.017 Exhaust gas fans
445.019 Exhaust gas separators
445.021 Ash ejectors
445.023 Cooling water pumps
445.025 Cooling water tanks
445.027 Heat exchangers

446 OUTFITTING IN STORE ROOMS & WORKSHOPS

446.001 Workbenches
446.006 Worktables
446.010 Vice workbenches
446.015 Lockers
446.020 Shelves/racks
446.025 Tool boards

447 CLAMPS/FOUNDATIONS FOR SPARE PARTS

447.001 Spare part mountings

448 NAME PLATES/MARKING ON MACHINERY, EQUIPM., PIPES, CABLES

448.001 Name plates
448.010 Message panels
448.015 Fire/safety plans
448.020 Wall charts
448.030 Engine room name plates
448.040 Bridge name plates
448.050 Accommodation name plates
448.060 Deck name plates

45 LIFTING & TRANSPORT EQUIPMENT FOR MACHINERY COMPONENTS

451 ENGINE ROOM LIFTS

- 451.001 Engine room lifts, complete
- 451.002 Lift cabins
- 451.003 Lift machinery
- 451.004 Lift doors
- 451.005 Operating panels

452 TRAVELLING CRANES & LIFTING GEAR IN ENGINE ROOM

- 452.001 Traverse cranes
- 452.005 Crane crabs
- 452.010 Pulleys
- 452.015 Trolleys
- 452.020 Waggons

453 EXTERNAL LIFTING GEAR FOR MACHINERY COMPONENTS

- 453.001 Derrick posts, complete
- 453.003 Derricks
- 453.005 Winch machinery
- 453.010 Cranes
- 453.045 Separate hydr. oil systems
- 453.047 Hydr. oil pumps w/drive unit
- 453.049 Hydr. oil preheaters
- 453.051 Hydr. oil coolers
- 453.053 Hydr. oil filters
- 453.055 Hydr. oil expansion tanks
- 453.057 Hydr. oil storage tanks

46 HUNTING & FISHING EQUIPMENT

461 HUNTING EQUIPMENT FOR WHALE, SEAL

- 461.001 Whale guns
- 461.003 Harpoons
- 461.005 Winding apparatus
- 461.007 Hawser drums
- 461.010 Whale windlasses
- 461.015 Rifles
- 461.020 Hooking spikes/mallets

462 LONGLINES W/EQUIPMENT, NETS, HANDFISHING EQUIPMENT

- 462.001 Longline windlass
- 462.003 Coiling apparatus
- 462.005 Baiting tables
- 462.007 Longlines baiting machines
- 462.009 Separating machines
- 462.011 Longline dropper machines
- 462.013 Magazines
- 462.015 Longlines
- 462.017 Longlines tubs
- 462.019 Buoys, complete
- 462.025 Nets, complete
- 462.029 Net bins
- 462.050 Hand fishing equipment
- 462.060 Fish traps

463 PURSE NETS & SEINE EQUIPMENT, POWER BLOCKS

- 463.001 Purse nets, complete
- 463.005 Ring nets, complete
- 463.010 Purse net winches
- 463.012 Ring net winches
- 463.015 Seine tracks
- 463.018 Seine rollers
- 463.021 Seine derricks
- 463.023 Seine gallows
- 463.025 Power blocks
- 463.027 Purse net winches
- 463.045 Separate hydr. oil systems
- 463.047 Hydr. oil pumps w/drive unit
- 463.049 Hydr. oil preheaters
- 463.051 Hydr. oil coolers
- 463.053 Hydr. oil filters
- 463.055 Hydr. oil expansion tanks
- 463.057 Hydr. oil storage tanks

464 TRAWLING EQUIPMENT

- 464.001 Bottom trawl, complete
- 464.004 Pelagic trawl, complete
- 464.006 Danish seine, complete
- 464.010 Trawl gallows
- 464.015 Trawl winches
- 464.020 Trawl bollards
- 464.045 Separate hydr. oil systems
- 464.047 Hydr. oil pumps w/drive unit
- 464.049 Hydr. oil preheaters
- 464.051 Hydr. oil coolers
- 464.053 Hydr. oil filters
- 464.055 Hydr. oil expansion tanks
- 464.057 Hydr. oil storage tanks

465 FISH PUMPING PLANTS AND LANDING EQUIPMENT

- 465.001 Fish pumping plants
- 465.002 Fish pumps
- 465.003 Suction heads
- 465.004 Filter chests
- 465.010 Scoop nets

466 SPECIAL FISHING EQUIPMENT

- 466.001 Light hunting equipment
- 466.010 El. fishing equipment

47 ARMAMENT, WEAPON & WEAPON COUNTERMEASURES

471 HAND WEAPONS, LIGHT & HEAVY GUNS

472 ROCKET PLANTS

473 TORPEDO PLANTS

474 ANTI-SUBMARINE WEAPONS

475 MINELAYING EQUIPMENT

476 MINESWEEPING EQUIPMENT

476.001 Mine sonars

476.010 Electronic units

477 DE-GAUSSING PLANTS

477.001 Control systems

478 TORPEDO COUNTERMEASURES, SMOKE GENERATING EQUIPMENT

479 WEAPON CONTROL SYSTEMS

479.001 Tactical consoles

479.010 Mine warning consoles

479.015 ROV consoles

48 SPECIAL EQUIPMENT

481 DRILLING EQUIPMENT

482 DREDGING EQUIPMENT

483 DIVING EQUIPMENT

483.001 Underwater ROVs

483.005 ROV winches

483.010 ROV cradles

484 LABORATORY EQUIPMENT

485 AIRCRAFT, HELICOPTERS

486 AUXILIARY VESSELS

487 DE-ICING EQUIPMENT

487.001 Steel de-icing systems

487.010 Machinery de-icing systems

487.020 El. de-icing systems

487.030 Chemicals de-icing systems

488 SEISMIC EQUIPMENT

488.001 Seismic canon cable

488.003 Seismic detector cable

488.005 Seismic canon cable drums

488.007 Seismic detector cable drums

488.010 Seismic air compressors

488.013 Seismic compressor FW cooling pumps

488.015 Seismic compressor el. motor FW pumps

488.017 Seismic hydr. oil aggregates

488.019 Seismic air compressor LO pumps

488.021 Seismic cable oil transfer pumps

488.022 Seismic cable oil separators

488.050 Seismic paravane

488.052 Seismic paravane winches

489 ENVIRONMENTAL PROTECTION EQUIPMENT

489.001 Oil skimmers

489.003 Oil booms

489.005 Boom reels

489.007 Oil transfer hoses

489.009 Hose reels

489.011 Oil transfer pumps w/drive unit

489.015 Power supply

489.030 Oil recovery bags

489.040 Oil dispersion equipment

489.043 Spray booms

489.045 Chemicals

489.050 Foam plants

49 FISH PROCESSING EQUIPMENT

491 RAW MATERIAL HANDLING

- 491.005 De-icing equipment
- 491.007 Chutes
- 491.010 Transport equipment
- 491.020 Reception tanks/bins
- 491.022 Tank/bin equipment
- 491.024 Tank/bin manoeuvre system
- 491.026 Tank/bin insulation
- 491.030 Ice store
- 491.032 Ice store equipment
- 491.034 Ice water system
- 491.036 Ice dosing system
- 491.038 Rinsing/draining system

492 FILLET FACTORIES

- 492.005 Head cutting machines
- 492.007 Washing/rinsing machines
- 492.009 Filet machines
- 492.012 Skinning machines
- 492.013 Garbage conveyors/chutes
- 492.035 Sorting machines
- 492.038 Conveyors
- 492.048 Hydr. oil aggregates
- 492.050 SW process pumps
- 492.060 Detaching machines
- 492.061 Weighing tables
- 492.062 Hot melt sealers
- 492.063 Auto markers
- 492.068 Strapping machines
- 492.069 Packing tables

493 SHRIMP FACTORIES

- 493.010 Cookers/coolers
- 493.013 Garbage conveyors/chutes
- 493.016 De-watering blowers
- 493.018 Vacuum peelers
- 493.028 Glazing units
- 493.035 Grading machines
- 493.037 Mixing units
- 493.038 Conveyors
- 493.048 Hydr. oil aggregates
- 493.050 SW process pumps
- 493.061 Weighing tables
- 493.068 Strapping machines
- 493.069 Packing tables
- 493.070 Control panels

494 MEAL AND OIL FACTORIES

494.001 Hasher machines
494.005 Feeder machines
494.007 Fish cookers
494.009 Strainer conveyors
494.011 Presses
494.013 Cutting machines
494.015 Pre dryers
494.017 After dryers
494.019 Separator filters
494.021 Milling machines
494.023 Weighing machines
494.025 Deodorizing plants
494.027 Sludge separators
494.029 Centrifuges
494.030 Softening tanks
494.031 Concentration cookers
494.033 Fish meal tanks
494.035 Fish oil tanks
494.037 Conveyors
494.039 Decanters
494.041 Bone discharge pump
494.043 Anti oxidant pumps
494.045 Oil separators
494.050 Guano grinders
494.055 Silos
494.070 Control panels

495 SURIMI FACTORIES

495.002 Forcemeat machines, complete
495.004 Roe separators
495.009 Filet machines
495.012 Skinning machines
495.013 Garbage conveyors/chutes
495.015 Bone separators
495.020 Rotary screen-forcemeat machines
495.022 Forcemeat bleaching tanks
495.024 Forcemeat refiner
495.026 Screw presses
495.028 Forcemeat preserving agent mixers
495.033 Scaling machines
495.035 Sorting machines
495.038 Conveyors
495.048 Hydr. oil aggregates
495.050 SW process pumps
495.055 Surimi water pumps
495.060 Detaching machines
495.062 Hot melt sealers
495.063 Auto markers

495.065 Metal detectors
495.067 Wrapping machines, pallets
495.070 Control panels
496 SHELL FACTORIES

5 EQUIPMENT FOR CREW AND PASSENGERS

50 LIFESAVING, PROTECTION & MEDICAL EQUIPMENT

501 LIFEBOATS W/EQUIPMENT

- 501.001 Open lifeboats
- 501.002 Covered lifeboats
- 501.003 Partly covered lifeboats
- 501.004 MOB boats
- 501.005 Offshore MOB boats
- 501.007 Workboats
- 501.008 Rubber boats
- 501.009 Hyperbaric lifeboats
- 501.015 Shock absorbing fenders/skates
- 501.016 Inboard motors
- 501.017 Outboard motors
- 501.018 Lifeboat davits
- 501.019 Lifeboat winches
- 501.020 MOB boat davits
- 501.021 MOB boat winches
- 501.023 Hooks, release mechanisms
- 501.024 Wire falls
- 501.025 MOB boat cranes
- 501.026 Free fall lifeboat launching arrangements
- 501.027 MOB boat/workboat crabs
- 501.028 Lifeboat covers
- 501.029 Lifeboat ladders
- 501.030 Lifeboat provisions
- 501.031 Lifeboat FW containers
- 501.034 Lifeboat buoyancy material
- 501.035 Lifeboat retroreflective material
- 501.036 Lifeboat markerlights/lanterns
- 501.037 Lifeboat compass equipment
- 501.040 Lifeboat signalling equipment
- 501.041 Lifeboat buoyant smoke signals
- 501.042 Lifeboat hand flares
- 501.043 Lifeboat parachute signals
- 501.045 Lifeboat first aid outfit
- 501.050 Other loose lifeboat equipment

502 LIFERAFTS W/EQUIPMENT

- 502.001 Rigid liferafts
- 502.005 Covered inflatable liferafts
- 502.006 Open inflatable liferafts
- 502.018 Liferaft davits
- 502.019 Liferaft winches
- 502.023 Liferaft hydrostatic release mechanisms
- 502.024 Liferaft wire falls
- 502.025 Liferaft mountings
- 502.026 Liferaft storm fixtures
- 502.028 Liferaft covers
- 502.029 Liferaft ladders
- 502.030 Liferaft provisions
- 502.031 Liferaft FW containers
- 502.035 Liferaft retroreflective material
- 502.040 Liferaft signalling equipment
- 502.042 Liferaft hand flares
- 502.043 Liferaft parachute signals
- 502.045 Liferaft first aid outfit
- 502.050 Other loose liferaft equipment

503 LIFESAVING, SAFETY & EMERGENCY EQUIPMENT

- 503.001 Lifebuoys
- 503.002 Buoyant smoke/light signals
- 503.003 Buoyant self-igniting light signals
- 503.004 Distress signalling equipment
- 503.005 Distress rockets
- 503.006 Smoke signals
- 503.010 Rigid life-jackets
- 503.011 Inflatable life-jackets
- 503.012 Survival suits
- 503.015 Thermal protection bags
- 503.016 Life-jacket/survival suit lights
- 503.018 Life-jacket containers
- 503.019 Line-throwing appliances
- 503.020 Wave dampening tanks
- 503.030 Divers' ladders
- 503.031 Raft station ladders
- 503.035 Rescue chutes
- 503.036 Safety harnesses
- 503.037 Bosuns' chairs
- 503.040 Rescue baskets
- 503.041 Boarding nets
- 503.042 Rescue stockings
- 503.043 Rescue nets
- 503.045 Rescue harpoon canons
- 503.050 Catering equipment
- 503.051 Corpse containers
- 503.070 Safety plan case

504 MEDICAL, FIRST AID & DENTAL EQUIPMENT, MEDICINES

- 504.001 Dentists' equipment
- 504.003 Dentists' chairs
- 504.005 Dentists' lamps
- 504.007 Heating cabinets
- 504.009 X-ray apparatus
- 504.011 Drilling equipment
- 504.013 Dentists' loose instruments
- 504.025 Doctors' equipment
- 504.027 Operating tables
- 504.028 Treatment tables
- 504.029 X-ray apparatus
- 504.031 Heating cabinets
- 504.033 Stretchers
- 504.035 Medicine lockers
- 504.037 Respirators
- 504.039 Medicines
- 504.041 First aid equipment
- 504.043 Doctors' loose instruments
- 504.045 Hospital furnishing
- 504.050 Protection equipment
- 504.052 Helmets
- 504.054 Ear protectors
- 504.056 Safety shoes
- 504.058 Work gloves

505 LOOSE FIREFIGHTING APPARATUSES & EQUIP., FIREMEN'S OUTFIT

- 505.001 Fire extinguishing apparatus
- 505.010 Fire axes/crowbars
- 505.015 Portable drills
- 505.020 Portable cutting equipment
- 505.025 Safety lamps
- 505.030 Gas masks
- 505.035 Smoke diving equipment
- 505.040 Smoke diving compressor
- 505.042 Compressor el. equipment
- 505.045 Firemens' clothing

506 ABC PROTECTION EQUIPMENT

- 506.001 Radioactivity detection equipment
- 506.003 Radioactivity protection equipment
- 506.005 Radioactivity decontamination equipment
- 506.010 Biological detection equipment
- 506.013 Biological protection equipment
- 506.015 Biological decontamination equipment
- 506.020 Chemical detection equipment
- 506.023 Chemical protection equipment
- 506.025 Chemical decontamination equipment

51 INSULATION, PANELS, BULKHEADS, DOORS, SIDESCUTTLES,SKYLIGHTS

511 INSULATION, PARTITION BULKHEADS, PANELLING, WALLPAPER

- 511.001 Window recesses
- 511.002 Bulkhead/wall panelling
- 511.003 Preinsulated partition bulkheads
- 511.004 System-ceilings w/profiles
- 511.006 Wet-room panelling
- 511.010 Wallpaper

512 DOORS W/COAMINGS IN ACCOMMODATION

- 512.001 Doors w/coaming, complete
- 512.020 Sliding doors, complete
- 512.030 Folding doors, complete
- 512.035 Fixtures, locks

513 OTHER INTERNAL DOORS W/COAMINGS

- 513.001 Watertight doors, complete
- 513.002 Watertight sliding doors, complete
- 513.005 Spraytight doors, complete
- 513.010 Gastight A60 doors, complete
- 513.011 Gastight A30 doors, complete
- 513.012 Gastight A0 doors, complete
- 513.015 Insulated doors, complete
- 513.020 Emergency doors, complete
- 513.025 Stores doors, complete
- 513.030 Door closing mechanisms

514 EXTERNAL DOORS W/COAMINGS

- 514.001 Teak doors, complete
- 514.005 Weathertight doors, complete
- 514.009 Spraytight doors, complete
- 514.010 Gastight A60 doors, complete
- 514.011 Gastight A30 doors, complete
- 514.012 Gastight A0 doors, complete
- 514.015 Sliding doors, complete
- 514.025 Mosquito doors, complete

515 SIDE SCUTTLES & WINDOWS W/EQUIPMENT

- 515.001 Side scuttles, complete
- 515.005 Windows, complete
- 515.010 Clear view screens, complete
- 515.015 Sliding windows, complete
- 515.050 Window wiper plants

516 SKYLIGHTS W/EQUIPMENT

- 516.001 Engine room skylights, complete
- 516.003 Pump room skylights, complete
- 516.005 Galley skylights, complete
- 516.007 Messroom skylights, complete

516.050 Skylight lifting equipment

52 INTERNAL DECK COVERING, LADDERS, STEPS, RAILING

521 INTERNAL DECK BASE COVERING

521.001 Levelling compound

522 INTERNAL DECK TOP COVERING (LINOLEUM, TILES, PARQUET ETC.)

522.001 Vinyl covering, linoleum

522.002 Carpets, carpet tiles

522.003 Tiles

522.004 Scattered covering

522.010 Corridor deck covering

522.020 Public room deck covering

522.030 Galley deck covering

522.040 Cabin deck covering

522.050 Wheel house deck covering

522.060 Control room deck covering

522.070 Wet room deck covering

523 INTERNAL GRATING & WOOD DECKS

523.001 Grating

524 LOOSE FLOOR PLATES, PLATFORMS, STEPS & LADDERS IN ACCOMMOD.

524.001 Steps w/railing

524.006 Ladders w/railing

524.011 Platforms w/railing

524.020 Computer flooring

525 LOOSE FLOOR PLATES, PLATFORMS & LADDERS IN ENG. & PUMP ROOMS

525.001 Steps w/railing

525.006 Ladders w/railing

525.011 Platforms w/railing

526 LADDERS, PLATFORMS & RAILING IN BALLAST & FUEL TANKS

526.001 Steps w/railing

526.006 Ladders w/railing

526.011 Platforms w/railing

527 PLATFORMS, LADDERS & RAILING IN CARGO TANKS

527.001 Steps w/railing

527.006 Ladders w/railing

527.011 Platforms w/railing

528 PLATFORMS, LADDERS & RAILING IN CARGO HOLDS

528.001 Steps w/railing

528.006 Ladders w/railing

528.011 Platforms w/railing

53 EXT. DECK COVERING, LADDERS, STEPS, FORE & AFT GANGWAY

531 EXTERNAL DECK COVERING

532 EXTERNAL WOOD DECKS

532.001 Wood decks

532.002 Wood deck boundary bars

533 HANDRAILS, RAILING, RAIL GATES

533.001 Handrails

533.005 Toprails

533.010 Railgates

534 EXTERNAL PLATFORMS, STEPS, LADDERS & GRATING W/EQUIPMENT

534.001 Steps

534.006 Ladders

534.011 Platforms

534.016 Grating

535 FORE & AFT GANGWAYS W/EQUIPMENT

535.001 Fore & aft gangways w/railing

535.005 Steps w/railing

535.006 Ladders w/railing

535.011 Platforms w/railing

536 AWNINGS W/EQUIPMENT

537 DECK TABLES & CHAIRS, SWIMMING POOLS

537.001 Deck tables

537.005 Deck chairs

537.010 Parasols

537.015 Swimming pools

537.020 Mud vacuum cleaners

54 FURNITURE, INVENTORY, ENTERTAINMENT EQUIPMENT

541 FURNITURE FOR CREW, STANDARD FURNITURE

541.001 Buffets
541.006 Chests of drawers
541.011 Tables
541.018 Chairs
541.025 Writing desks
541.028 Beds
541.030 Pelmets
541.035 Sofas
541.040 Bedside tables
541.041 Spectacle shelves
541.042 Wardrobes
541.045 Dressing tables
541.048 Bathroom shelves/lockers
541.050 Book shelves
541.052 Cloakroom shelves
541.055 Refrigerators
541.058 Bar lockers
541.060 Bar counters
541.065 Bar stools
541.070 Messroom furniture

542 OFFICE EQUIP. & SPEC. FURNITURE IN WHEELH., CHART & RADIOR.

542.001 Writing desks
542.005 Counters
542.010 Office shelves
542.015 Chart tables
542.018 Chart racks
542.020 Flag lockers/racks
542.022 Tables
542.025 Chairs
542.030 Shelves, racks
542.035 Typewriters
542.040 Calculators
542.045 Cash registers
542.050 Safes
542.055 Filing cabinets
542.060 Key lockers

543 BEDCLOTH, MATTRESSES

543.001 Mattresses
543.005 Eiderdowns
543.010 Pillows
543.015 Blankets, quilts
543.020 Bedspreads
543.023 Sheets
543.025 Drawsheets
543.027 Eiderdown covers

543.032 Pillow covers

544 CURTAINS, CARPETS

544.001 Curtains

544.008 Portieres

544.010 Carpets

545 DECORATIONS, FIGUREHEADS

545.001 Flower arrangement

545.003 Paintings w/frame

545.010 Reproductions w/frame

545.015 Photographs w/frame

545.025 Sculptures

545.030 Knick-knacks, figures

545.040 Wall tapestries

545.045 Table runners

545.050 Figureheads

546 HOBBY, SPORTS & ENTERTAINMENT EQUIPMENT

546.001 Trim apparatus

546.002 Ergometer bikes

546.003 Rowing apparatus

546.004 Strength training apparatus

546.005 Finnish bath stoves

546.007 Finnish bath heating coils

546.009 Dark room equipment

546.015 Books

546.025 Film projectors

546.027 Slide projectors

546.029 Movie screens

546.031 Television sets

546.032 Video players

546.033 Record players

546.034 CD players

546.035 Sound amplifiers

546.037 Tape recorders

546.039 Radios

546.041 Loud speakers

546.043 Games

546.045 Gambling machines

546.050 Radio/TV antenna (entertainment)

546.052 TV antenna

546.054 Radio antenna

547 INVENTORY, SMALLER ITEMS

547.001 Mirrors

547.005 Towel automats

547.010 Waste paper baskets

547.015 Ashtrays

548 FURNITURE FOR PASSENGERS

548.001 Buffets
548.006 Chests of drawers
548.011 Tables
548.018 Chairs
548.025 Writing desks
548.028 Beds
548.035 Sofas
548.040 Bedside tables
548.042 Wardrobes
548.045 Dressing tables
548.048 Bathroom shelves/lockers
548.050 Bookshelves
548.052 Cloakroom shelves
548.055 Refrigerators
548.058 Bar lockers
548.060 Bar counters
548.065 Bar stools

55 GALLEY/PANTRY EQUIP., PROVISION PLANTS, LAUNDRY/IRONING EQU.

551 GALLEY MACHINERY

- 551.001 Ranges
- 551.002 Tilting fryingpans
- 551.005 Hot plates
- 551.010 Convection ovens
- 551.012 Grills
- 551.015 Baking ovens
- 551.016 Microwave ovens
- 551.017 Deep fat fryers
- 551.020 Boilers
- 551.025 Proving ovens
- 551.028 Mixers
- 551.030 Mills
- 551.032 Cutters
- 551.034 Kneading machines
- 551.036 Slicing machines
- 551.038 Potato peeling machines
- 551.040 Rubbish mills
- 551.041 Refuse compression units
- 551.042 Milk machines
- 551.043 Juice dispensers
- 551.044 Coffeemakers
- 551.045 Espresso machines
- 551.046 Refrigerators
- 551.047 Chocolate automats
- 551.048 Ice cubers
- 551.050 Deep freezers
- 551.055 Heating cupboards
- 551.056 Warming baths
- 551.057 Sausage warmers
- 551.060 Dishwashing machines

552 GALLEY/PANTRY EQUIPMENT FOR PREPARATION & SERVING

- 552.001 Galley outfitting, complete
- 552.002 Workbenches
- 552.005 Dishwashing benches
- 552.010 Soaking/thawing sinks
- 552.015 Shelves, racks
- 552.020 Cupboards
- 552.025 Serving trolleys
- 552.030 Serving counters
- 552.032 Serving windows
- 552.035 Steam hoods
- 552.040 Cooking/frying equipment
- 552.045 Cutlery
- 552.050 Linen

553 CAFETERIA PLANT W/EQUIPMENT

- 553.001 Cafeteria counters, complete
- 553.003 Cafeteria counters
- 553.005 Cooling aggregates
- 553.007 Cooling water pumps
- 553.009 Heating units
- 553.011 Food containers/trays
- 553.042 Milk machines
- 553.043 Juice dispensers/coolers
- 553.044 Coffeemakers
- 553.046 Refrigerators
- 553.048 Ice cubers
- 553.055 Heating cupboards
- 553.372 Toasters

554 FREEZING/REFRIGERATING SYSTEMS FOR PROVISIONS

- 554.001 Provision cooling compressor aggregates
- 554.003 Compressors w/drive unit
- 554.005 Condensers
- 554.007 Liquid receivers
- 554.011 Oil separators
- 554.013 Evaporators
- 554.015 Circulating pumps
- 554.017 Local control panels
- 554.019 Valve boards
- 554.022 Temperature control central
- 554.026 Humidity control central
- 554.030 Poison control central
- 554.035 Cooling batteries, complete
- 554.038 Cooling elements
- 554.040 Air circulating fans
- 554.042 Freezing batteries, complete
- 554.045 Freezing elements
- 554.048 Air circulating fans
- 554.060 Compressor aggregate cooling water pumps

555 INSULATION, LINING & BATTENING IN PROV. ROOMS, DOORS & PORTS

555.001 Insulated doors, complete

555.010 Insulated ports, complete

555.020 Provision containers

556 WALLS, BINS, SHELVES, RACKS, GRATING & INVENT. IN PROV.ROOMS

556.001 Partition bulkheads

556.005 Meat brackets

556.008 Meat chopping blocks

556.010 Meat axes

556.012 Meat saws

556.015 Work benches

556.020 Bins, trays

556.025 Ribs

556.030 Shelves, racks

556.035 Gratings

557 INSULATION DRYING SYSTEMS FOR PROVISION ROOMS

557.001 Fans w/drive unit

557.005 Dehydrators

557.010 Air filters

558 LAUNDRY, IRONING & DRYING EQUIPMENT

558.001 Work clothing washing machines

558.002 Private clothing washing machines

558.004 Hydro extractors

558.007 Drying tumblers

558.010 Hot mangles

558.013 Cold mangles

558.016 Presses

558.018 Irons

558.021 Ironing machines

558.024 Sewing machines

558.030 Working tables

558.033 Benches

558.036 Laundry sinks

558.039 Ironing boards

558.042 Sewing tables

558.045 Drying cabinets

558.048 Starch containers

558.051 Shelves, racks

558.054 Lockers

56 TRANSPORT EQUIPMENT FOR CREW, PASSENGERS & PROVISIONS

561 PERSONNEL LIFTS, ESCALATORS

- 561.001 Personnel elevators, complete
- 561.004 Elevator cabins
- 561.007 Elevator machinery
- 561.010 Elevator doors
- 561.013 Elevator operating panels
- 561.025 Escalators, complete
- 561.028 Escalators
- 561.031 Escalator machinery
- 561.034 Escalator operating panels

562 FOOD & LINEN LIFTS

- 562.001 Freight elevators, complete
- 562.004 Elevator cabins
- 562.007 Elevator machinery
- 562.010 Elevator doors
- 562.013 Separate elevator shafts
- 562.016 Elevator operating panels

563 PROVISION CRANES & DERRICKS

- 563.001 Provision cranes, complete
- 563.010 Provision derrick posts
- 563.012 Provision derrick booms
- 563.015 Provision winches
- 563.025 Travelling hoists, complete
- 563.030 Conveyor belts
- 563.035 Rollerways
- 563.040 Trolleys

564 SHORE GANGWAYS W/DAVITS, LANDING BOOMS

- 564.001 Accommodation ladders, complete
- 564.005 Accommodation ladder davits
- 564.010 Gangways, complete
- 564.015 Railing steps
- 564.018 Pilot ladders
- 564.020 Pilot hoists
- 564.025 Landing booms w/machinery

565 MISCELLANEOUS CONVEYANCE EQUIPMENT

- 565.001 Rafts
- 565.005 Bicycles
- 565.010 Scooters
- 565.015 Trolleys

566 HELICOPTER PLATFORMS W/EQUIPMENT

- 566.001 Helicopter deck
- 566.002 Helideck safety equipment
- 566.003 Helideck loose firefighting equip.
- 566.004 Foam firefighting equipment
- 566.005 Marker lights, floodlights
- 566.006 Helideck plaitwork
- 566.009 Helideck FO tanks
- 566.010 Helideck FO pumps
- 566.015 Turning motor, guides
- 566.020 Couplings
- 566.025 Helideck lights

57 VENTILATION, AIR-CONDITIONING & HEATING SYSTEMS

571 VENTILATION/AIR-CONDITIONING SYSTEMS FOR ACCOMMODATION

- 571.001 Air-condition central units
- 571.003 Air filters
- 571.005 Air preheaters
- 571.007 Cooling/heating batteries
- 571.009 Humidity regulating equipment
- 571.011 Fans
- 571.013 Distribution boxes
- 571.015 Ventilation ducts
- 571.016 Ventilation duct/pipe insulation
- 571.017 Ventilation duct dampers
- 571.020 Air-condition cooling compressors
- 571.022 Cooling water pumps
- 571.025 Ventilation fan centrals
- 571.040 Local ventilation cabinets
- 571.045 Ventilation plant fans
- 571.050 Separate filters
- 571.060 Ozone plants
- 571.061 Ozone generators
- 571.063 Suction fans
- 571.065 Drying filters
- 571.067 Dust filters
- 571.069 Local control panels
- 571.070 Air-condition control, local

572 VENTILATION/AIR-CONDITIONING SYSTEMS FOR PROVISION ROOMS

- 572.001 Air-condition central units
- 572.003 Air filters
- 572.005 Air preheaters
- 572.007 Cooling/heating batteries
- 572.009 Humidity regulating equipment
- 572.011 Fans
- 572.013 Distribution boxes
- 572.015 Ventilation ducts
- 572.016 Ventilation duct/pipe insulation
- 572.017 Ventilation duct dampers
- 572.020 Air-condition cooling compressors
- 572.022 Cooling water pumps
- 572.025 Ventilation fan centrals
- 572.040 Local ventilation cabinets
- 572.050 Separate filters
- 572.060 Ozone plants
- 572.061 Ozone generators
- 572.063 Suction fans
- 572.065 Drying filters
- 572.067 Dust filters
- 572.069 Local control panels

573 VENTILATION/AIR-CONDITIONING SYSTEMS FOR CONTROL ROOMS

- 573.001 Air-condition central units
- 573.003 Air filters
- 573.005 Air preheaters
- 573.007 Cooling/heating batteries
- 573.009 Humidity regulating equipment
- 573.011 Fans
- 573.013 Distribution boxes
- 573.014 Inlet nozzles
- 573.015 Ventilation ducts
- 573.016 Ventilation duct/pipe insulation
- 573.017 Ventilation duct dampers
- 573.020 Air-condition cooling compressors
- 573.022 Cooling water pumps
- 573.025 Ventilation fan centrals
- 573.040 Local ventilation cabinets
- 573.050 Separate filters
- 573.060 Ozone plants
- 573.061 Ozone generators
- 573.063 Suction fans
- 573.065 Drying filters
- 573.067 Dust filters
- 573.069 Local control panels

574 VENTILATION/AIR-CONDITIONING SYSTEMS FOR BOILER/ENG. ROOMS

- 574.001 Ventilation centrals
- 574.002 Charge air fans
- 574.004 Evacuation fans
- 574.005 Condensers
- 574.010 Ventilation cabinets
- 574.015 Ventilation ducts
- 574.016 Ventilation duct/pipe insulation
- 574.017 Ventilation duct dampers
- 574.020 Air filters
- 574.030 Cooling/heating batteries

575 VENTILATION/AIR-CONDITIONING SYSTEMS FOR PUMP ROOMS

- 575.001 Ventilation centrals
- 575.002 Charge air fans
- 575.004 Evacuation fans
- 575.010 Ventilation cabinets
- 575.015 Ventilation ducts
- 575.016 Ventilation duct/pipe insulation
- 575.017 Ventilation duct dampers
- 575.020 Air filters

576 VENTILATION/AIR-COND. SYSTEMS FOR STEERING GEAR COMPARTMENTS

- 576.001 Ventilation centrals
- 576.002 Charge air fans
- 576.010 Ventilation cabinets

576.015 Ventilation ducts

576.016 Ventilation duct/pipe insulation

576.017 Ventilation duct dampers

576.020 Air filters

577 CENTRAL HEATING SYSTEMS W/RADIATORS

577.001 Circulating pumps

577.005 Expansion tanks

577.010 Radiators

58 SANITARY SYST. W/DISCHARGES, ACCOMMODATION DRAIN SYSTEMS

581 SANITARY SUPPLY SYSTEMS

- 581.001 FW hydrophore aggregates
- 581.002 FW hydrophore pumps
- 581.004 FW hydrophore tanks
- 581.006 FW cleaning filters
- 581.010 FW softening filters
- 581.012 Ion exchange filters
- 581.013 UV filters/sterilizers
- 581.014 Chlorine dosage aggregates
- 581.015 Chlorine tanks
- 581.016 Chlorine pumps
- 581.017 Chlorine filters
- 581.020 Hot water aggregates
- 581.021 Hot water calorifiers
- 581.023 Hot water circulating pumps
- 581.025 Hot water expansion tanks
- 581.030 Separate hot water calorifiers
- 581.040 SW hydrophore aggregates
- 581.041 SW hydrophore pumps
- 581.043 SW hydrophore tanks
- 581.045 SW cleaning filters
- 581.050 FW cooling plants
- 581.051 Cooling compressors
- 581.053 Evaporators
- 581.055 Condensers
- 581.057 Condenser cooling water pumps

582 SANITARY DISCHARGE SYSTEMS, ACCOMMODATION DRAINAGE SYSTEMS

- 582.001 Sewage pumps w/drive unit
- 582.003 Sewage tanks
- 582.005 Sewage lift stations
- 582.010 Vacuum plants
- 582.011 Vacuum pumps w/drive unit
- 582.013 Vacuum tanks
- 582.015 Receiver tanks
- 582.017 Discharge pumps w/drive unit
- 582.025 Sewage disinfection plants
- 582.026 Sewage transfer pumps
- 582.027 SW charge pumps

583 BATHTUBS, BIDETS, SHOWER CABINETS, W.C., WASHBASINS

- 583.001 Shower cabinets
- 583.002 Standard toilets
- 583.003 Washstands

583.004 Bathtubs
583.005 Bidets
583.010 Vacuum toilets
583.015 Wash basins w/equipment

584 DRINKING WATER SYSTEMS & COOLERS

584.001 Loose drinking water tanks
584.002 Drinking water pumps
584.005 Softening filters
584.006 Ion exchange filters
584.010 Chlorine dosage aggregates
584.011 Chlorine tanks
584.012 Chlorine pumps
584.013 Chlorine filters
584.018 Drinking water coolers
584.020 Drinking water cooling plants
584.021 Cooling compressors
584.023 Evaporators
584.025 Condensers
584.027 Condenser cooling water pumps
584.035 Separate icewater coolers

59 PASSENGER VESSEL CABINS & PUBLIC ROOMS

6 MACHINERY MAIN COMPONENTS

60 DIESEL ENGINES FOR PROPULSION

601 DIESEL ENGINES

- 601.001 Main diesel engine, compl.
- 601.002 ME cylinder covers w/valves
- 601.003 ME cylinder liners
- 601.004 ME pistons, piston rods
- 601.005 ME connecting rods, crosshead, guides
- 601.006 ME bottom end bearings, crank pins
- 601.007 ME main bearings, journals
- 601.010 ME bedplates, frames
- 601.012 ME bolts, chocks
- 601.014 ME fastening bolts between cylinders
- 601.016 ME tiebolts
- 601.018 ME crankcases
- 601.020 ME crankcase doors w/safety valve
- 601.022 ME camshafts w/drive
- 601.026 ME HP fuel pumps
- 601.028 ME HP fuel pipes w/shielding
- 601.042 ME cylinder lubricating device
- 601.050 ME starting air distributor w/valves
- 601.051 ME scavenging air filters
- 601.052 ME scavenging air pumps
- 601.053 ME turbochargers
- 601.054 ME emergency air blowers
- 601.055 ME scavenging air coolers
- 601.056 ME charge air receiver w/valves
- 601.057 ME charge air spaces w/valves
- 601.058 ME charge air space drain tanks
- 601.059 ME exhaust gas manifolds/pipes w/insulation
- 601.060 ME crankshafts
- 601.061 ME thrust shafts/bearings
- 601.062 ME vibration dampers
- 601.063 ME couplings
- 601.064 ME turning gear
- 601.065 ME reversing/starting gear
- 601.066 ME indicators
- 601.067 ME tachometers
- 601.068 ME tripping/alarm/safety devices
- 601.069 ME regulators
- 601.071 ME local instrument panels
- 601.079 ME special tools

61 STEAM MACHINERY FOR PROPULSION

611 STEAM TURBINES W/CONDENSERS

- 611.001 Main steam turbines, complete
- 611.003 Steam turbines
- 611.005 Speed governors
- 611.007 Turning gear
- 611.009 Main condensers
- 611.011 Vacuum pumps
- 611.013 Vacuum ejectors

612 HIGH PRESSURE TURBINES

- 612.001 HP turbines, complete
- 612.003 HP turbine casing, foundations, bolts
- 612.005 HP turbine diaphragms
- 612.007 HP turbine rotors w/blades
- 612.009 HP turbine main/thrust bearings
- 612.010 HP turbine shafts
- 612.012 HP turbine shafts/oil seals
- 612.014 HP turbine manoeuvre valves
- 612.016 HP turbine bleed/drain valves
- 612.018 HP turbine governor/servo systems
- 612.020 HP turbine nozzles
- 612.022 HP turbine couplings

613 MEDIUM & LOW PRESSURE TURBINES

- 613.001 LP turbines, complete
- 613.003 LP turbine casing, foundations, bolts
- 613.005 LP turbine diaphragms
- 613.007 LP turbine rotors w/blades
- 613.009 LP turbine main/thrust bearings
- 613.010 LP turbine shafts
- 613.012 LP turbine shafts/oil seals
- 613.014 LP turbine manoeuvre valves
- 613.016 LP turbine bleed/drain valves
- 613.018 LP turbine governor/servo systems
- 613.020 LP turbine nozzles
- 613.022 LP turbine couplings
- 613.031 Astern turbines, complete
- 613.033 Astern turbine casing, foundations, bolts
- 613.035 Astern turbine diaphragms
- 613.037 Astern turbine rotors w/blades
- 613.039 Astern turbine main/thrust bearings
- 613.040 Astern turbine shafts
- 613.042 Astern turbine shafts/oil seals
- 613.044 Astern turbine manoeuvre valves
- 613.046 Astern turbine bleed/drain valves
- 613.048 Astern turbine governor/servo systems
- 613.050 Astern turbine nozzles
- 613.052 Astern turbine couplings

614 MAIN CONDENSERS

- 614.001 Main condensers, complete
- 614.003 Main condenser casing, foundations, bolts
- 614.005 Main condenser tubes
- 614.007 Main condenser hotwells
- 614.009 Main condenser ejectors

618 STEAM ENGINES W/CONDENSERS

- 618.001 Main reciprocating steam engines, complete
- 618.003 Steam engines
- 618.005 Thrust shafts
- 618.007 Thrust bearings
- 618.009 Turning gear
- 618.011 Speed governors
- 618.013 Main condensers
- 618.015 Vacuum pumps
- 618.017 Vacuum ejectors
- 618.019 Exhaust steam turbines

62 OTHER TYPES OF PROPULSION MACHINERY

621 GAS TURBINES W/AIR PREHEATERS

- 621.001 Main gas turbine aggregates, complete
- 621.003 Power turbines
- 621.005 Gas generator compressors
- 621.007 Compressor drive units
- 621.009 Air preheaters
- 621.011 Intermediate coolers
- 621.013 Combustion chambers
- 621.015 Compressor turbines
- 621.017 Starting machinery
- 621.019 FO pumps
- 621.021 LO pumps
- 621.023 LO filters
- 621.025 LO coolers
- 621.027 Hydr. oil pumps

625 EL. GENERATOR/EL. MOTOR PLANTS

- 625.001 Main propulsion el. generators
- 625.003 Propulsion el. motors
- 625.005 Gyropropeller el. motors
- 625.008 Magnetizing rectifiers
- 625.013 Hydr. motors
- 625.015 Accumulator batteries
- 625.019 Air coolers
- 625.045 Separate hydr. oil systems
- 625.047 Hydr. oil pumps w/drive unit
- 625.049 Hydr. oil preheaters

625.051 Hydr. oil coolers
625.053 Hydr. oil filters
625.055 Hydr. oil expansion tanks
625.057 Hydr. oil storage tanks

627 FAN PLANTS, WATER-JET PUMP PLANTS W/NOZZLES

- 627.001 Main propulsion fans
- 627.003 Propulsion fan nozzles
- 627.005 Lifting fans
- 627.015 Water-jet pumping plants
- 627.017 Pumping plant nozzles

628 SPECIAL PROPULSION AGGREGATES

- 628.001 Outboard engines

63 PROPELLERS, TRANSMISSIONS, FOILS

631 FIXED PROPELLER PLANTS INCL. NOZZLES

- 631.001 Propulsion propellers
- 631.003 Propeller shafts
- 631.005 Spare shafts
- 631.007 Intermediate shafts
- 631.009 Thrust shafts
- 631.011 Thrust bearings
- 631.013 Shaft bearings
- 631.015 Stern tubes
- 631.017 Stern tube bushes
- 631.021 Stern tube sealing
- 631.027 Bulkhead shaft seals
- 631.029 Propeller nuts
- 631.031 Propeller fairwater cones
- 631.033 Propeller boss stoprings
- 631.035 Rope guards
- 631.038 Propeller nozzles

634 CONTROLLABLE PITCH PROPELLER PLANTS INCL. NOZZLES

- 634.001 Contr. pitch propeller plants
- 634.003 Contr. pitch propellers
- 634.005 Hydr. oil pumps
- 634.007 Hydr. oil filters
- 634.009 Hydr. oil gravity tanks
- 634.011 Hydr. oil drain tanks
- 634.013 Hydr. oil distribution box
- 634.015 Propeller shafts
- 634.017 Shaft couplings
- 634.018 Intermediate shaft couplings
- 634.019 Shaft brakes
- 634.020 Propeller knives
- 634.025 Intermediate shafts
- 634.027 Thrust shafts
- 634.029 Thrust bearings
- 634.031 Shaft bearings
- 634.033 Stern tubes
- 634.035 Stern tube bushes

634.037 Stern tube sealing
634.039 Bulkhead shaft seals
634.041 Propeller nuts
634.043 Propeller fairwater cones
634.045 Propeller boss stoprings
634.047 Rope guards
634.050 Propeller nozzles
634.070 Stern tube machining apparatus hire

635 SPEC. PROPELLER PLANTS INCL. NOZZLES (EXCL. SIDE THRUSTERS)

635.001 Voigt Schneider plants
635.010 Gyropropellers w/drive unit
635.020 Contra rotating propeller plants

636 SPARE PROPELLERS

636.001 Spare propellers
636.005 Spare propeller blades
636.010 Spare propeller nuts
636.015 Spare propeller fairwater cones

637 MAIN REDUCTION GEARS W/THRUST BEARINGS & COUPLINGS

637.001 Main reduction gears, complete
637.003 Main reduction gear casings, foundations, bolts
637.005 Main gear HP 1st red. pinions, shafts, bearings
637.007 Main gear HP 1st red. wheels, shafts, bearings
637.009 Main gear HP 2nd red. pinions, shafts, bearings
637.011 Main gear HP 2nd red. wheels, shafts, bearings
637.013 Main gear LP 1st red. pinions, shafts, bearings
637.015 Main gear LP 1st red. wheels, shafts, bearings
637.017 Main gear LP 2nd red. pinions, shafts, bearings
637.019 Main gear LP 2nd red. wheels, shafts, bearings
637.021 Main gear main wheels, shafts, bearings
637.023 Main gear thrust shafts/bearings
637.025 Main gear couplings
637.051 Main gear LO pumps
637.053 Main gear LO filters
637.055 Main gear LO coolers
637.057 Main gear alarm/monitoring panels
637.059 Main gear remote control systems

638 CENTRAL GEARS (JOINT AUXILIARY GEAR, NOT FOR PROPULSION)

638.001 Central gear plants
638.003 Central gears
638.005 Central gear couplings
638.007 Central gear LO pumps
638.009 Central gear LO filters

639 FOILS, SAILS W/MASTS & RIGGING

639.001 Foils
639.005 Sail masts
639.015 Sails

64 BOILERS, STEAM & GAS GENERATORS

641 MAIN BOILERS

- 641.001 Main boilers, complete
- 641.003 Main boiler casings, foundations, bolts
- 641.005 Reheaters
- 641.007 Economizers
- 641.009 Burners
- 641.011 Gas air preheaters
- 641.013 Steam air preheaters
- 641.015 Boiler fans w/drive unit
- 641.017 Soot blowers
- 641.019 Photocell fans
- 641.025 Boiler dosage aggregates
- 641.027 Dosage pumps
- 641.029 Chemical feed tanks
- 641.035 Exhaust gas analyzers
- 641.037 Orsat apparatus
- 641.039 Salinometers
- 641.041 Testwater coolers
- 641.043 Exhaust gas coolers

644 AUXILIARY BOILERS

- 644.001 Aux. boilers, complete
- 644.003 Aux. boiler casings, foundations, bolts
- 644.005 Reheaters
- 644.007 Economizers
- 644.009 Burners
- 644.011 Gas air preheaters
- 644.013 Steam air preheaters
- 644.015 Boiler fans w drive unit
- 644.017 Soot blowers
- 644.019 Photocell fans
- 644.025 Aux. boiler dosage aggregates
- 644.027 Dosage pumps
- 644.029 Chemical feed tanks
- 644.035 Exhaust gas analyzers
- 644.037 Orsat apparatus
- 644.039 Salinometers
- 644.041 Testwater coolers
- 644.043 Exhaust gas coolers

646 EXHAUST GAS BOILERS

- 646.001 Exhaust gas boilers
- 646.005 Combined boilers, complete
- 646.007 Combined boiler casings, foundations, bolts
- 646.009 Economizers
- 646.011 Burners
- 646.013 Gas air preheaters
- 646.015 Steam air preheaters
- 646.017 Boiler fans w/drive unit

646.019 Soot blowers
646.021 Photocell fans
646.025 Combined boiler dosage aggregates
646.027 Dosage pumps
646.029 Chemical feed tanks
646.031 Exhaust gas analyzers
646.033 Orsat apparatus
646.035 Salinometers
646.037 Testwater coolers
646.039 Exhaust gas coolers

647 STEAM CONVERTERS

647.001 Steam to steam generators
647.003 Testwater coolers

648 CENTRAL HEATING & THERMAL OIL BOILERS

648.001 Hot water boilers
648.005 Heat exchangers/preheaters
648.010 Low pressure boilers
648.015 Circulating pumps
648.020 Thermal oil boilers

649 GAS GENERATORS

649.001 Gas generators, complete
649.003 Compressors
649.005 Compressor drive units
649.007 Air preheaters
649.009 Combustion chambers
649.011 Compressor turbines

65 MOTOR AGGREGATES FOR MAIN ELECTRIC POWER PRODUCTION

651 MOTOR AGGREGATES

651.001 Aux. diesel generator aggregates, complete
651.002 AE cylinder covers w/valves
651.003 AE cylinder liners
651.004 AE pistons, piston rods
651.006 AE bottom end bearings, crank pins
651.007 AE main bearings, journals
651.010 AE bedplates, frames
651.012 AE bolts, chocks
651.014 AE fastening bolts between cylinders
651.016 AE tiebolts
651.018 AE crankcases
651.020 AE crankcase doors w/safety valve
651.022 AE camshafts w/drive, pushrods
651.024 AE FO booster pumps
651.026 AE HP fuel pumps

651.028 AE HP fuel pipes w/shielding
651.030 AE fuel valve coolers
651.032 AE fuel valve cooling oil pumps
651.034 AE fuel filters
651.036 AE LO pumps
651.038 AE rocker arm LO pumps
651.040 AE LO priming pumps
651.042 AE cylinder lubricating device
651.044 AE LO coolers
651.046 AE LO filters
651.048 AE FW cooling pumps
651.050 AE starting air distributors w/valves
651.051 AE scavenging air filters
651.053 AE turbochargers
651.055 AE scavenging air coolers
651.059 AE exhaust manifolds/pipes w/insulation
651.060 AE crankshafts
651.061 AE thrust shafts/bearings
651.062 AE flywheels, vibration dampers
651.063 AE couplings
651.065 AE starting/timing gear
651.067 AE tachometers
651.068 AE tripping/alarm/safety devices
651.069 AE regulators
651.071 AE local instrument panels
651.075 AE el. generators
651.076 AE magnetizing dynamos
651.077 AE generator air coolers
651.078 AE generator regulators
651.079 AE special tools

66 OTHER AGGR. & GEN. FOR MAIN & EMERGENCY EL. POWER PRODUCTION

661 STEAM TURBO AGGREGATES

661.001 Steam turbo generator aggregates, complete
661.003 TG turbine casings, foundations, bolts
661.005 TG manoeuvre valves
661.017 TG LO coolers
661.019 TG LO pumps
661.021 TG LO sump tanks
661.023 TG couplings
661.025 TG reduction gear
661.027 TG el. generators
661.029 TG magnetizing dynamo
661.031 TG generator air coolers
661.033 TG generator regulators

663 GAS TURBO AGGREGATES

663.001 Gas turbo generator aggregates, complete
663.003 GT turbine casings, foundations, bolts
663.007 GT air preheaters
663.009 GT combustion chambers
663.011 GT compressors
663.013 GT starting machinery
663.015 GT FO pumps
663.017 GT LO coolers
663.019 GT LO pumps
663.023 GT couplings
663.025 GT reduction gears
663.027 GT el. generators
663.029 GT magnetizing dynamos
663.031 GT generator air coolers
663.033 GT generator regulators

665 HARBOUR & EMERGENCY AGGREGATES W/EQUIPMENT

665.001 Emergency generator aggregates, complete
665.003 Emergency generator drive units
665.005 Emergency el. generators
665.007 Emergency generator couplings
665.010 Emergency generator FO systems
665.011 Emergency generator FO pumps
665.013 Emergency generator FO filters
665.015 Emergency generator FO preheaters
665.017 Emergency generator FO tanks
665.020 Emergency generator LO systems
665.021 Emergency generator LO pumps
665.023 Emergency generator LO coolers
665.025 Emergency generator LO filters
665.027 Emergency generator LO tanks
665.030 Emergency generator cooling water pumps
665.033 Emergency generator air supply fans
665.036 Emergency generator spark arresters
665.039 Emergency generator silencer
665.045 Emergency generator starting battery

667 SHAFT GENERATORS

667.001 Shaft generators, complete
667.003 Shaft generator magnetizing dynamos
667.005 Shaft generator air coolers
667.007 Shaft generator governors
667.009 Shaft generator clutches
667.011 Shaft generator gear
667.015 Shaft generator shafts
667.020 Shaft generator intermediate bearings
667.025 Shaft generator LO systems
667.030 Shaft generator automatic clutch control
667.050 Shaft generator vibration instruments

669 GENERATORS W/HYDRAULIC DRIVE

669.001 El. generators
669.003 El. generator hydr. motors
669.005 El. generator magnetizing dynamos
669.007 El. generator air coolers
669.009 El. generator governors
669.011 El. generator clutches
669.013 El. generator gear
669.020 Separate hydr. oil systems
669.021 Hydr. oil pumps w/drive unit
669.023 Hydr. oil preheaters
669.025 Hydr. oil coolers
669.027 Hydr. oil filters
669.029 Hydr. oil expansion tanks
669.031 Hydr. oil storage tanks

67 NUCLEAR REACTOR PLANTS

7 SYSTEMS FOR MACHINERY MAIN COMPONENTS

70 FUEL SYSTEMS

701 FUEL OIL TRANSFER & DRAIN SYSTEMS

- 701.001 FO transfer systems
- 701.002 FO distribution boxes
- 701.004 FO coarse filters
- 701.006 FO transfer pumps
- 701.008 FO fine filters
- 701.020 DO transfer systems
- 701.021 DO distribution boxes
- 701.023 DO coarse filters
- 701.025 DO transfer pumps
- 701.027 DO fine filters
- 701.030 Trimming pumps

702 FUEL OIL PURIFICATION PLANTS

- 702.001 FO separator booster pumps
- 702.003 FO preheaters
- 702.005 FO separators
- 702.010 DO separator booster pumps
- 702.012 DO separator preheaters
- 702.014 DO separators
- 702.016 Stand by separators
- 702.018 Separator water tanks
- 702.020 DO purification systems
- 702.030 Sludge pumps
- 702.032 Sludge ejectors
- 702.034 Sludge tanks

703 FUEL OIL SUPPLY SYSTEMS

- 703.001 Main engine/boiler FO systems
- 703.003 FO booster pumps
- 703.005 FO circulating pumps
- 703.007 FO preheaters
- 703.009 FO coarse filters
- 703.011 FO fine filters
- 703.020 Main engine DO systems
- 703.022 DO booster pumps
- 703.024 DO preheaters
- 703.026 DO fine filters
- 703.027 Viscosity regulators/monitors
- 703.028 Econometers
- 703.029 Preheater control panels
- 703.030 GO fuel systems

703.032 GO booster pumps
703.034 GO fine filters
703.040 Aux. engine FO systems
703.041 FO booster pumps
703.043 FO preheaters
703.045 FO coarse filters
703.047 FO fine filters
703.050 Aux. engine DO systems
703.051 DO booster pumps
703.053 DO preheaters
703.055 DO fine filters
703.060 Donkey boiler fuel systems
703.065 Gas turbo aggregate fuel systems
703.070 DO daytanks
703.072 GO daytanks
703.074 Mixing tanks
703.076 FO meters
703.078 DO meters

704 HEATING COILS IN FUEL OIL TANKS

704.001 Heating coils
704.005 FO heat exchangers

707 GAS FUEL SYSTEM

708 SOLID FUEL SYSTEMS (E.G. COAL)

71 LUBE OIL SYSTEMS

711 LUBE OIL TRANSFER & DRAIN SYSTEMS

- 711.001 LO transfer systems
- 711.003 LO transfer pumps
- 711.005 LO coarse filters
- 711.007 LO fine filters
- 711.015 LO waste tanks
- 711.020 LO waste trays

712 LUBE OIL PURIFICATION PLANTS

- 712.001 LO separator aggregates
- 712.003 LO booster pumps
- 712.005 LO coarse filters
- 712.007 LO fine filters
- 712.009 LO preheaters
- 712.011 LO separators
- 712.013 LO separator booster pumps
- 712.020 LO separator water tanks
- 712.025 LO dosage aggregates
- 712.030 LO washing plants
- 712.035 LO sludge pumps
- 712.037 LO sludge ejectors
- 712.039 LO sludge tanks

713 LUBE OIL SYSTEMS FOR PROPULSION MACHINERY & TRANSMISSIONS

- 713.001 Main LO aggregates
- 713.002 LO suction filters
- 713.004 Main LO pumps
- 713.005 Stand by LO pumps
- 713.006 LO pressure filters
- 713.007 LO booster pumps
- 713.008 SW cooled LO coolers
- 713.010 Condensate cooled LO coolers
- 713.012 LO fine filters
- 713.013 Self cleaning LO fine filters
- 713.014 LO coarse filters
- 713.015 Gear oil pumps
- 713.016 Gear oil coolers
- 713.020 Stern tube LO aggregates
- 713.021 Stern tube LO pumps
- 713.022 Stern tube LO supply pumps
- 713.023 Stern tube LO coolers
- 713.025 Stern tube LO filters
- 713.027 Stern tube LO level tanks
- 713.028 Stern tube LO drain tanks
- 713.030 Turbocharger LO systems
- 713.031 Turbocharger LO pumps
- 713.033 Turbocharger LO coolers
- 713.035 Turbocharger LO fine filters
- 713.037 Turbocharger LO drain tanks

713.038 Turbocharger LO level tanks
713.040 Cylinder LO systems
713.041 Cylinder LO pumps
713.043 Cylinder LO coolers
713.045 Cylinder LO filters
713.047 Cylinder LO service tanks
713.050 Camshaft LO systems
713.051 Camshaft LO pumps
713.055 Camshaft LO filters
713.057 Camshaft LO tanks
713.060 Air preheater LO systems
713.061 Air preheater LO pumps
713.063 Air preheater LO coolers
713.065 Air preheater LO filters
713.067 Air preheater LO tanks
713.070 Hand lubrication tanks

714 LUBE OIL SYSTEMS FOR MOTOR/TURBO AGGREGATES

714.001 Motor aggregate LO systems
714.002 Motor aggregate LO pumps
714.003 Motor aggregate LO coolers
714.005 Motor aggregate LO filters
714.007 Motor aggregate LO tanks
714.010 Gas turbo aggregate LO systems
714.011 Gas turbo aggregate LO pumps
714.013 Gas turbo aggregate LO coolers
714.015 Gas turbo aggregate LO filters
714.017 Gas turbo aggregate LO tanks
714.030 Steam turbo aggregate LO systems
714.031 Steam turbo aggregate LO pumps
714.033 Steam turbo aggregate LO coolers
714.035 Steam turbo aggregate LO filters
714.037 Steam turbo aggregate LO tanks

715 L.O. SYST. FOR GAS GEN., COMMON L.O. SYST. FOR OTHER MACH.

715.001 Gas generator LO systems
715.002 Gas generator LO pumps
715.003 Gas generator LO coolers
715.005 Gas generator LO filters
715.007 Gas generator LO tanks
715.010 Common LO systems
715.011 Common LO pumps
715.013 Common LO coolers
715.015 Common LO filters
715.017 Common LO tanks

72 COOLING SYSTEMS

721 SEA WATER COOLING SYSTEMS

- 721.001 Main SW cooling pumps
- 721.003 Aux. SW cooling pumps
- 721.005 Main condenser SW cooling pumps
- 721.007 Aux. condenser SW cooling pumps
- 721.009 FW generator SW cooling pumps
- 721.011 FW cooler SW cooling pumps
- 721.013 Aux. machinery SW cooling pumps
- 721.014 Bulk cargo compressor SW cooling pumps
- 721.016 Seismic compressor SW cooling pumps
- 721.017 Hydr. aggregate SW cooling pumps
- 721.020 SW filters
- 721.030 SW chlorine dosage aggregates
- 721.031 SW dosage pump
- 721.032 Chlorine tanks
- 721.035 SW sawdust injectors
- 721.036 SW sawdust tanks

722 FRESH WATER & OTHER COOLING SYSTEMS

- 722.001 FW coolers
- 722.003 Main FW cooling pumps
- 722.005 Aux. FW cooling pumps
- 722.007 FW level tanks
- 722.010 Nozzle coolers
- 722.012 Nozzle cooling pumps
- 722.014 Stand by nozzle cooling pumps
- 722.016 Nozzle cooling tanks
- 722.020 Piston cooling medium coolers
- 722.022 Piston cooling medium pumps
- 722.024 Piston cooling medium tanks
- 722.031 Seismic compressor FW cooling pumps

73 COMPRESSED AIR SYSTEMS

731 STARTING AIR SYSTEMS (HIGH PRESSURE)

- 731.001 Starting air compressors
- 731.003 Starting air emergency compressors
- 731.005 Starting air water/oil separators
- 731.006 Starting air water separators
- 731.007 Starting air oil separators
- 731.010 Starting air tanks
- 731.012 Starting air bottles
- 731.014 Starting air coolers
- 731.016 Starting air compressor silencers
- 731.020 Portable starting air compressors

732 GENERAL PURPOSE AIR SYSTEMS FOR ENGINE ROOM (LOW PRESSURE)

732.001 L.T. air compressors, complete

733 GENERAL PURPOSE AIR SYSTEMS FOR DECK (LOW PRESSURE)

733.001 Service air compressors

733.005 Service air water/oil separators

733.006 Service air water separators

733.007 Service air oil separators

733.010 Service air tanks

733.014 Service air coolers

733.016 Service air compressor silencers

733.020 Portable service air compressors

734 INSTRUMENT AIR SUPPLY SYSTEMS

734.001 Instrument air compressors

734.005 Instrument air water/oil separators

734.006 Instrument air water separators

734.007 Instrument air oil separators

734.010 Instrument air tanks

734.014 Instrument air filters/coolers/dryers

734.015 Instrument air filters

734.016 Instrument air coolers

734.017 Instrument air dryers

734.020 Instrument air compressor silencers

74 EXHAUST SYSTEMS & AIR INTAKES

741 FRESH AIR INTAKES (NOT VENTILATION)

741.001 Air suction aggregates

741.003 Fans w/drive unit

741.005 Air filters

741.007 Silencers

741.009 De-icers

741.011 Water separators

743 EXHAUST GAS SYSTEMS FOR PROPULSION MACHINERY

743.001 Silencers/spark arresters

743.003 Main engine silencers

743.005 Main engine spark arresters

743.006 Compensators

743.007 Suspensions/absorbers

743.010 Exhaust pipe insulation

744 EXHAUST GAS SYSTEMS FOR MOTOR AGGREGATES

744.001 Silencers/spark arresters

744.003 Aux. machinery silencers

744.005 Aux. machinery spark arresters

744.006 Compensators

744.007 Suspensions/absorbers

744.020 Salinometers

745 EXHAUST GAS SYSTEMS FOR BOILERS

745.001 Silencers/spark arresters

745.003 Boiler silencers

745.005 Boiler spark arresters

748 ASH/SLAG HANDLING SYSTEMS

75 STEAM, CONDENSATE & FEED WATER SYSTEMS

751 PRIMARY FULL PRESSURE STEAM SYSTEMS

751.001 Water separators

752 PRIMARY REDUCED PRESSURE STEAM SYSTEMS IN ENGINE ROOM

752.001 External desuperheaters

752.005 Water separators

753 PRIMARY REDUCED PRESSURE SYSTEMS OUTSIDE ENGINE ROOM

753.001 Water separators

754 PRIM. DRAIN, BLOW-OFF, EXH. STEAM & DEAERATION SYST. IN E/R

755 PRIMARY CONDENSATE SYSTEMS

755.001 Atmospheric aux. condensers

755.003 Vacuum aux. condensers

755.005 Gland exhaust condensers

755.007 Atmospheric drain tanks

755.009 Aux. condenser air ejectors

755.011 Aux. condenser vacuum pumps

755.013 Gland condenser exhausters

755.017 Main condenser condensate pumps

755.019 Aux. condenser condensate pumps

755.021 Condensate drain pumps

755.023 Circulating pumps

755.025 1. stage LP feed water heaters

755.027 2. stage LP feed water heaters

755.029 Deaerators

755.031 Condensate tanks

755.033 Condensate filter tanks

755.035 Condensate observation tanks

755.040 Condensate de-oilers

755.042 Drain coolers

755.044 Condensate test water coolers

755.046 Condensate suction filters

755.050 Condensate pressure filters

755.052 Condensate ion exchange filters

755.054 Condensate softening filters

755.060 Condensate chemicals dosage aggregates

755.062 Condensate dosage pumps

755.064 Chemicals tanks

756 PRIMARY FEED WATER SYSTEMS

756.001 Main boiler main feed pumps

756.003 Main boiler aux. feed pumps

756.005 Aux. boiler main feed pumps

756.007 Aux. boiler aux. feed pumps

756.009 Main boiler feed water ejectors

756.011 Aux. boiler feed water ejectors

756.015 1. stage HP feed water heaters

756.017 2. stage HP feed water heaters
756.019 Exhaust boiler circulating pumps
756.021 Pressure filters
756.050 Feed water chemicals dosage aggregates
756.052 Feed water dosage pumps
756.054 Chemicals tanks

757 SECONDARY STEAM SYSTEMS IN ENGINE ROOM

757.001 Water separators

758 SECONDARY STEAM SYSTEMS OUTSIDE ENGINE ROOM

758.001 Water separators

758.003 Degassing tanks

759 SECONDARY CONDENSATE & FEED WATER SYSTEMS

759.001 Steam generator main feed pumps
759.003 Steam generator aux. feed pumps
759.005 Steam generator condenser
759.007 Steam generator oil/water separators
759.010 Steam generator feed water tanks
759.012 Steam generator filter tanks
759.014 Steam generator observation tanks
759.020 Steam generator ion exchange filters
759.022 Steam generator softening filters
759.024 Steam generator test water coolers
759.026 Steam generator chemicals dosage aggregates
759.028 Steam generator dosage pumps
759.030 Chemicals tanks

76 DISTILLED & MAKE-UP WATER SYSTEMS

761 DISTILLED & MAKE-UP WATER SYSTEMS

- 761.001 SW cooled FW generator
- 761.003 Condensate cooled FW generator
- 761.005 FW generator vacuum pumps
- 761.007 FW generator SW pumps
- 761.009 FW generator circulating pumps
- 761.015 FW generator distillate pumps
- 761.017 FW generator distillate coolers
- 761.019 FW generator distillate tanks
- 761.025 FW generator brine pumps
- 761.027 FW generator brine ejectors
- 761.030 FW generator softening filters
- 761.033 FW generator chemicals dosage aggregates
- 761.035 FW generator dosage pumps
- 761.037 Chemicals tanks
- 761.040 Make-up pumps
- 761.050 Reverse osmosis units
- 761.051 Reverse osmosis unit SW pumps
- 761.052 Reverse osmosis unit preheaters
- 761.053 Reverse osmosis unit FW pumps

79 AUTOMATION SYSTEMS FOR MACHINERY

791 MANOEUVRE CONSOLES, MAIN CONSOLES

- 791.001 Engine room machinery panels
- 791.002 Engine room manoeuvre desks
- 791.005 Engine room instrument consoles
- 791.007 Engine room automation cabinets
- 791.010 Bridge machinery panels
- 791.011 Bridge manoeuvre desks
- 791.014 Bridge instrument consoles
- 791.016 Bridge automation cabinets

792 COMMON AUTOMATION EQUIPMENT, ENGINE ROOM ALARM SYSTEMS

- 792.001 Alarm/monitoring systems
- 792.002 Relay/logics centrals
- 792.005 Signal annunciators
- 792.007 Acoustic signal devices
- 792.009 Optical signal devices
- 792.011 Alarm recorders/printers
- 792.013 Dataloggers
- 792.015 Monitoring system batteries
- 792.017 Charging rectifiers
- 792.030 Machinery EDP plants
- 792.031 Central processing units
- 792.033 Interface input equipment
- 792.035 Interface output equipment
- 792.037 Peripheral equipment
- 792.039 Secondary storages
- 792.050 TV supervising plants
- 792.051 TV cameras
- 792.053 TV monitors
- 792.055 TV control units
- 792.057 TV lighting equipment

793 AUTOM. EQUIP. FOR PROP. MACH. & TRANSMIS., ENG. TELEGRAPH

- 793.001 Engine telegraph equipment
- 793.002 Bridge engine telegraph units
- 793.003 Engine room engine telegraph units
- 793.005 Acoustic signal devices
- 793.007 Order recorders/printers
- 793.010 ME transmission remote control systems
- 793.012 Automation equipment w/programming units
- 793.015 Manoeuvre controls
- 793.017 Overload regulators
- 793.020 Operation instruments
- 793.021 ME tachometers
- 793.023 Turbocharger tachometers
- 793.025 Revolution counters
- 793.027 Torque meters
- 793.029 Rotating direction indicators
- 793.040 Alarm/safety system components

793.041 Pressure centrals/instruments
793.043 Temperature centrals/instruments
793.045 Vibration centrals/instruments
793.047 Axial displacement instruments
793.051 Level instruments
793.053 Flow instruments
793.055 Oil mist detectors
793.057 Wear down detectors
793.059 Recorders/printers

794 AUTOMATION EQUIPMENT FOR BOILERS

794.001 Main boiler burner control
794.002 FO temperature/pressure regulators
794.004 Combustion air regulators
794.005 Sequencing equipment
794.007 Alarm/safety system components
794.008 Remote reading instrument transmitters
794.009 Indicators
794.010 Main boiler control
794.011 Feed water regulators
794.013 Steam temperature regulators
794.015 Steam pressure regulators
794.017 Alarm/safety system components
794.018 Remote reading instrument transmitters
794.019 Indicators
794.020 Main boiler flue gas control
794.021 Gas system regulators
794.022 Soot blower automation/instruments
794.023 Flue gas indicators/analyzers
794.024 Air preheater automation/instruments
794.026 Remote reading instrument transmitters
794.028 Indicators
794.040 Aux. boiler burner control
794.041 FO temperature/pressure regulators
794.043 Combustion air regulators
794.044 Sequencing equipment
794.046 Alarm/safety system components
794.047 Remote reading instrument transmitters
794.048 Indicators
794.050 Aux. boiler control
794.051 Feed water regulators
794.052 Steam temperature regulators
794.053 Steam pressure regulators
794.054 Alarm/safety system components
794.055 Remote reading instrument transmitters
794.056 Indicators
794.060 Aux. boiler flue gas control
794.061 Gas system regulators
794.062 Soot blower automation/instruments
794.063 Flue gas indicators/analyzer
794.064 Air preheater automation/instruments

794.065 Alarm/safety system components
794.066 Remote reading instrument transmitters
794.067 Indicators

795 AUTOMATION EQUIPMENT FOR MOTOR/TURBO AGGREGATES

795.001 Aux. diesel engine automation equipment
795.002 Start/stop automation
795.004 Alarm/safety system components
795.006 Remote reading instrument transmitters
795.008 Indicators
795.020 Aux. steam turbine automation equipment
795.022 Start/stop automation
795.024 Alarm/safety system components
795.026 Remote reading instrument transmitters
795.028 Indicators
795.040 Aux. gas turbine automation equipment
795.042 Start/stop automation
795.044 Alarm/safety system components
795.046 Remote reading instrument transmitters
795.048 Indicators
795.060 Generator automation equipment
795.062 Synchronizing automation
795.064 Load sharing automation
795.066 Alarm/safety system components
795.068 Remote reading instrument transmitters
795.070 Indicators

796 AUTOMATION EQUIPMENT FOR NUCLEAR REACTOR PLANTS

797 AUTOMATION EQUIPMENT FOR OTHER MACHINERY COMPONENTS

797.001 FO system instruments
797.002 Regulators
797.003 Motor control/separator automation
797.005 Alarm/safety system components
797.006 Remote reading instrument transmitters
797.007 Indicators
797.010 LO system instruments
797.011 Regulators
797.012 Motor control/separator automation
797.014 Alarm/safety system components
797.015 Remote reading instrument transmitters
797.016 Indicators
797.020 Ballast/bilge system instruments
797.022 Motor control/separator automation
797.024 Alarm/safety system components
797.026 Remote reading instrument transmitters
797.028 Indicators
797.030 Exhaust gas system instruments
797.032 Regulators
797.034 Alarm/safety system components
797.036 Remote reading instrument transmitters

797.038 Indicators
797.040 Compressed air system instruments
797.041 Regulators
797.042 Motor control automation
797.044 Alarm/safety system components
797.045 Remote reading instrument transmitters
797.046 Indicators
797.050 Cooling water system instruments
797.051 Regulators
797.052 Motor control automation
797.054 Alarm/safety system components
797.055 Remote reading instrument transmitters
797.056 Indicators
797.060 Feed water/condensate system instruments
797.061 Regulators
797.062 Motor control automation
797.064 Alarm/safety system components
797.065 Remote reading instrument transmitters
797.066 Indicators
797.070 Steam system instruments
797.071 Regulators
797.072 Motor control automation
797.074 Alarm/safety system components
797.075 Remote reading instrument transmitters
797.076 Indicators

798 CABLES/LEADS & PIPING FOR AUTOMATION SYSTEMS FOR MACHINERY

8 SHIP COMMON SYSTEMS

80 BALLAST & BILGE SYSTEMS, GUTTER PIPES OUTSIDE ACCOMMOD.

801 BALLAST SYSTEMS, SOLID BALLAST

- 801.001 Clean ballast pumps
- 801.003 Dirty ballast pumps
- 801.005 Ballast ejectors
- 801.007 Bilge/ballast pumps
- 801.010 Ballast self suction ejectors
- 801.015 Ballast water filters
- 801.018 Ballast water separators
- 801.020 Ballast sludge pumps
- 801.022 Ballast sludge ejectors
- 801.024 Ballast sludge tanks
- 801.045 Separate hydr. oil systems
- 801.047 Hydr. oil pumps w/drive unit
- 801.049 Hydr. oil preheaters
- 801.051 Hydr. oil coolers
- 801.053 Hydr. oil filters
- 801.055 Hydr. oil expansion tanks
- 801.057 Hydr. oil storage tanks
- 801.060 Solid ballast

802 HEATING COILS IN BALLAST TANKS

- 802.001 Heating coils

803 BILGE SYSTEMS

- 803.001 Bilge pumps
- 803.005 Bilge ejectors
- 803.007 Bilge wells
- 803.009 Changeover wells
- 803.010 Emergency bilge pumps
- 803.012 Bilge Self suction ejectors
- 803.020 Bilge water filters
- 803.025 Bilge water separators
- 803.027 Bilge sludge pumps
- 803.029 Bilge sludge ejectors
- 803.031 Bilge sludge tanks

804 GUTTER PIPES OUTSIDE ACCOMMODATION

- 804.001 Gutter pipe drain tanks
- 804.005 Gutter pipe filters

81 FIRE & LIFEBOAT ALARM, FIRE FIGHTING & WASH DOWN SYSTEMS

811 FIRE DETECTION, FIRE & LIFEBOAT ALARM SYSTEMS

- 811.001 Fire/lifeboat alarm plant
- 811.003 Fire alarm centrals
- 811.005 Smoke detectors
- 811.007 Heat detectors
- 811.008 Flame detectors
- 811.009 Alarm push-buttons
- 811.011 Alarm bells
- 811.013 Alarm lamps
- 811.015 Batteries
- 811.017 Charging rectifiers
- 811.020 Magnetic door holders

812 EMERGENCY SHUTDOWN SYSTEM

813 FIRE/WASH DOWN SYST., EMERGENCY FIRE PUMPS, SPRINKLER SYST.

- 813.001 Fire pumps
- 813.003 Fire/wash down pumps
- 813.005 Swimmingpool pumps
- 813.007 General service pumps
- 813.009 Pressure tanks
- 813.011 Fire hoses
- 813.013 Fire hose lockers
- 813.015 Hose drums
- 813.020 Sprinkler nozzles
- 813.030 Emergency fire pump aggregates
- 813.031 Emergency fire pumps w/drive unit
- 813.033 Emergency fire pump silencers/spark arresters
- 813.035 Emergency fire pump fuel pumps
- 813.037 Emergency fire pump fuel tanks
- 813.039 Emergency fire pump fuel filters
- 813.041 Emergency fire pump LO pumps
- 813.043 Emergency fire pump LO filters
- 813.045 Emergency fire pump cooling water pumps
- 813.047 Emergency fire pump starting batteries
- 813.051 Charging rectifiers
- 813.053 Hydr. oil pumps w/drive unit
- 813.055 Hydr. oil preheaters
- 813.057 Hydr. oil filters
- 813.059 Hydr. oil expansion tanks
- 813.061 Hydr. oil storage tanks
- 813.070 ABC wash down systems

814 FIRE FIGHTING SYSTEMS FOR EXTERNAL FIRES

- 814.001 Fire pumps w/drive unit
- 814.005 Water cannons
- 814.010 Platform

815 FIRE FIGHTING SYSTEMS W/GAS (CO2, HALON, ETC)

- 815.001 HP CO2 plants
- 815.003 Flask batteries
- 815.005 CO2 release lockers
- 815.007 CO2 alarms
- 815.009 Suction fans
- 815.011 Smoke detectors
- 815.020 LP CO2 plants
- 815.022 CO2 tanks
- 815.024 CO2 tank cooling plants
- 815.026 CO2 release lockers
- 815.028 CO2 alarms
- 815.030 Suction fans
- 815.032 Smoke detectors
- 815.040 Halon plants
- 815.042 Halon containers
- 815.044 Propellant gas flasks
- 815.046 Halon release lockers
- 815.048 Suction fans
- 815.050 Smoke detectors

816 FIRE FIGHTING SYSTEMS W/FOAM

- 816.001 Light foam plants
- 816.003 Foam tanks
- 816.005 Water tanks
- 816.007 Foam aggregate
- 816.009 Foam fans
- 816.011 Light foam release lockers
- 816.020 Heavy foam plants
- 816.022 Foam liquid tanks
- 816.024 Foam liquid pumps
- 816.026 Liquid mixers
- 816.028 Foam cannons
- 816.030 Heavy foam release lockers

817 FIRE FIGHTING SYSTEMS W/STEAM

818 FIRE FIGHTING SYSTEMS W/POWDER

- 818.001 Powder plants
- 818.003 Powder containers
- 818.005 Propellant gas tanks
- 818.007 Hose stands
- 818.009 Powder release lockers

819 FIRE FIGHTING SYSTEMS W/OTHER AGENTS

82 AIR & SOUNDING SYSTEMS FROM TANKS TO DECK

821 AIR & SOUNDING SYSTEMS FROM TANKS TO DECK

83 SPECIAL COMMON HYDRAULIC OIL SYSTEMS

831 SPECIAL COMMON HYDRAULIC OIL SYSTEMS

- 831.001 Common hydr. oil systems
- 831.003 Hydr. oil pumps w/drive unit
- 831.007 Hydr. oil preheaters
- 831.011 Hydr. oil coolers
- 831.015 Hydr. oil filters
- 831.019 Hydr. oil expansion tanks
- 831.021 Hydr. oil storage tanks
- 831.025 Hydr. oil separator plants

84 CENTRAL HEAT TRANSFER SYSTEMS W/CHEMICAL FLUIDS/OIL

841 HEATING OIL TREATMENT SYSTEMS

842 HEATING OIL DISTRIBUTION SYSTEMS FOR ENGINE ROOM

843 HEATING OIL DISTRIBUTION SYSTEMS OUTSIDE ENGINE ROOM

85 COMMON ELECTRIC & ELECTRONIC SYSTEMS

855 COMMON COMPUTER SYSTEMS

86 ELECTRIC POWER SUPPLY

861 (GENERATORS/ALTERNATORS)

861.001 AC generators

861.010 DC generators

865 TRANSFORMERS

865.001 Transformers

866 BATTERIES & CHARGERS

866.001 Batteries

866.030 Spare batteries

866.050 Battery boxes

866.060 Battery chargers

867 RECTIFIERS & CONVERTERS

867.001 Rectifiers

867.010 Charging rectifiers

867.020 Alternating rectifiers

867.040 Converters

867.050 Static converters

867.060 Voltage stabilizers

868 ELECTRIC SHORE SUPPLY SYSTEMS

868.001 Shore connections

87 COMMON ELECTRIC DISTRIBUTION SYSTEMS

871 MAIN SWITCHBOARDS

- 871.001 Main switchboards
- 871.005 DC switchboards
- 871.010 High voltage switchboards

872 EMERGENCY SWITCHBOARDS

- 872.001 Aux. switchboards
- 872.005 DC switchboards
- 872.010 High voltage switchboards
- 872.020 Distribution switchboards
- 872.030 Emergency switchboards
- 872.035 Clean power switchboards

873 GROUP STARTERS

- 873.001 Starter centrals
- 873.005 Motor starters
- 873.020 Motor protection relays

874 LOCAL STARTERS

- 874.005 Motor starters
- 874.020 Motor protection relays

875 DISTRIBUTION PANELS & BOARDS

- 875.001 Fuse lockers
- 875.010 Distribution panels

88 ELECTRIC CABLE INSTALLATION

881 CABLE TRAYS & INSTALLATION IN ENGINE & BOILER ROOMS

- 881.001 Cable trays/fittings
- 881.005 RM rails
- 881.020 Two phase earthed cables
- 881.030 Two phase unearthed cables
- 881.040 Three phase cables

882 CABLE TRAYS W/INSTALLATION IN ACCOMMODATION

- 882.001 Cable trays/fittings
- 882.005 RM rails
- 882.030 Two phase unearthed cables
- 882.040 Three phase cables

883 CABLE TRAYS & INSTALLATION ON DECK & IN CARGO HOLDS

- 883.001 Cable trays/fittings
- 883.005 RM rails
- 883.020 Two phase earthed cables
- 883.030 Two phase unearthed cables
- 883.040 Three phase cables

886 SPECIAL CABLES

- 886.001 Coaxial cables
- 886.005 Wide band cables
- 886.010 Interference protected cables
- 886.015 Fibre optic cables
- 886.020 De-gaussing cables

89 ELECTRIC CONSUMER SYSTEMS

891 ELECTRIC LIGHTING SYSTEMS FOR ENGINE & BOILER ROOM

891.001 Light fittings

891.020 Heating cables

891.040 Panel heaters/fans

892 ELECTRIC LIGHTING SYSTEMS FOR ACCOMMODATION

892.001 Light fittings

892.020 Heating cables

892.040 Panel heaters/fans

893 ELECTRIC LIGHTING SYSTEMS FOR DECK & CARGO HOLDS

893.001 General lighting

893.020 Flood lighting

893.030 Spot lighting

897 (ELECTRIC FANS)

898 (ELECTRIC MOTORS)