

General Naval Specification - Section Breakdown

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GNS PART 1 - GENERAL NAVAL REQUIREMENTS

1. ROLE

1.1 Military

1.2 Constabulary

1.3 Benign

2. INTEROPERABILITY

2.1 Ship to Air

2.2 Ship to Boat

2.3 Ship to Ship

2.4 Ship to Shore

2.5 Ship to Underwater

3. OPERABILITY

3.1 Manpower

3.2 Personnel

3.3 Training

3.4 Human Factors Engineering

3.5 Operating Environment

4. MOBILITY

4.1 Area of Operations and Environmental Conditions

4.2 Coverage

4.3 Speed

4.4 Sustainability

4.5 Manoeuvring

4.6 Navigation

4.7 Seakeeping

5. HABITABILITY

5.1 Accommodation and Hotel Services

5.2 Welfare Services

5.3 Education

5.4 Personnel Administration Services

5.5 Medical services

6. SUPPORTABILITY

6.1 Ship Husbandry

6.2 Availability

6.3 Upkeep Cycle

6.4 Service Life

6.5 Mission Length

6.6 Shoreside Support - Base Port

7. SURVIVABILITY

7.1 Mission Level Survivability

7.2 Chemical, Bacterial, Radiological & Nuclear (CBRN)

7.3 Ship Security

8. ADAPTIBILITY

8.1 Platform

8.2 Information & Communication Technology (ICT) Systems

8.3 Embarked Asset Facilities

9. SAFETY AND ENVIRONMENTAL PROTECTION

9.1 Whole Ship Safety

9.2 Environmental Regulations

10. CONSTRAINTS

10.1 Design

- 10.2 Build
- 10.3 Support

GNS PART 2 - GENERAL NAVAL SPECIFICATION**000 SHIP DESIGN AND LAYOUT**

- 001 Standards
- 002 Design Documents
- 003 Certificates
- 004 Master Décor Scheme
- 005 Design Philosophy

100 PLATFORM

- 101 Hull Structure
- 102 Superstructure
- 103 Other Structural Items
- 104 Control Surfaces
- 105 Mooring Equipment
- 106 General Fittings
- 107 Boats and Life Savings Appliances
- 108 Access Equipment
- 109 External and Internal Coatings (Paint)
- 110 Deck Coverings
- 111 Minor Bulkheads Linings and Ceilings
- 112 Acoustic and Thermal Insulation
- 113 Ships Protective Systems
- 114 Load Handling and RAS Equipment
- 115 Accommodation Facilities
- 116 Galley, pantries and Other food Preparation Spaces
- 117 Hardening of Key Spaces (Armour)
- 118 Medical Spaces
- 119 Equipment for Laundry and Drying Rooms
- 120 Workshops (Ship & Air)

- 121 Offices (Ship & Air)
- 122 Stores (Ship & Air)
- 200 PROPULSION**
- 201 Diesel Engine/Diesel Generators Sets
- 202 Shafts and Bearings
- 203 Propulsors and Thrusters
- 204 Combustion Air Supply and Exhaust Systems
- 205 Electric Propulsion Motors
- 206 Gas Turbine/Gas Turbine Alternator
- 207 Gearbox & Clutch
- 300 ELECTRICAL**
- 301 Power Distribution Equipment
- 302 Power Distribution Cabling
- 303 General Lighting Systems
- 304 Emergency Lighting
- 305 Navigation Lights
- 306 Ships Degaussing Systems
- 307 Ceremonial Lighting
- 308 Aircraft Electrical Systems
- 400 COMBAT, COMMAND & CONTROL SYSTEMS**
- 401 Command and Control Systems
- 402 Internal communications
- 403 External Communications
- 404 Navigation Systems
- 405 Integrated Platform Management Systems
- 406 Anti-Air Warfare Systems
- 407 Anti- Surface Warfare Systems
- 408 Sights Area Equipment

- 409 Electronic Warfare Systems
- 410 Underwater Warfare Systems
- 411 Anti-submarine Weapons
- 412 Mine Counter Measures
- 413 Military Task Equipment
- 500 AUXILIARY**
- 501 Air Conditioning, ventilation, Refrigeration Systems and Equipment
- 502 Fuel Systems
- 503 Chilled Water Systems
- 504 Fresh Water Systems
- 505 Waste Management and Environmental Protection
- 506 Cooling Water Systems
- 507 Lub Oil System
- 508 Steering Systems and Stabilisation Systems
- 509 Ballasting and Trimming
- 510 Bilge System
- 511 High Pressure Seawater Systems
- 512 Firefighting, Damage control and CBRN
- 513 Air and Gas Systems
- 514 Hydraulic Systems
- 515 Aircraft Systems