

# NAMING AND CODE DESIGNATION OF PN VESSELS

## A. Naming and/or Code Designation of PN Ships and Aircraft

The Philippine Navy has a system of naming and/or assigning codes to all of its ships, small craft and aircraft. The assignment of names and designation of codes are done at Headquarters, Philippine Navy. Commissioned vessel likewise carry the word "BAPOR NG REPUBLIKA NG PILIPINAS OR (BRP)" before the name to identify it as a ship owned by the government of the Republic of the Philippines. For purposes of visual or voice radio communication, the code designation of ships maybe used for initial call to establish communication.

### 1. Naming of PN Commissioned Ship

In general, only commissioned ships are christened with names while those categorized as small craft, boats and service craft are only given code designations. The name is etched on a nameplate displayed on each side of the superstructure as well as marked at the stern. The following is the guide in naming PN ships:

<u>Type of Ship</u>	<u>Prospective Names</u>
Aircraft Carriers	- The three geographical division of the Philippines
Surface Combatants	- National heroes, historical figures, past heads of State
Submarines	- Philippine native fishes
Amphibious Warfare	- Philippine provinces and Ships cities
Mine Warfare Ships	- Historical military sites and places
Auxiliary Ships	- Philippine tribes and ethnic groupings
Medical Ships	- Native term related to ship's mission
Service Ships	- Philippine peaks, major (POL/Water Tankers) rivers and the smaller islands not classified as province or sub-province

## 2. **PN Ships and Small Craft Code Designation**

All PN ships, small craft, boats and service craft are assigned code designation consisting of two letters followed by numbers. The first two letters are the type code designation and the class code designation and the numbers following is the bow number. Small craft and boats organic and assigned to bigger ships carry the serialized marking consisting of the mother unit's bow number followed by a dash (-) and the number assigned to the small craft. The bow number is marked conspicuously both at the bow and stern for a ship; at the bow for small craft, boats and service craft; and, at the tail assembly for aircraft.

### a. **Type Code Designation**

<u>Type of Ship</u>		<u>Type Code</u>
1) Combat Ships		
Aircraft Carriers	-	C
Surface Combatants	-	P
Submarines	-	U
Amphibious Warfare Ships	-	L
Mine Warfare Ships	-	M
2) Small Combat Craft/Boats		
Patrol Craft	-	D
Landing Craft	-	B
Mine Warfare Craft	-	T
Riverine/Inshore	-	V
Seal Support Craft	-	Z
Underwater Craft	-	S
3) Auxiliary Ships	-	A
4) Service Ships/Craft		
a) Major Ships		
Self-propelled	-	Y
Non self-propelled	-	N
b) Minor Ships/Craft/Boats		
Self-propelled	-	G
Non self-propelled	-	K

### b. **Class Code Designation**

<u>Class of Ship</u>	<u>Class Code</u>
----------------------	-------------------

- 1) Combat Ships
  - a) Aircraft Carriers (C)
 

Rotary Wing Carrier	-	R
Fixed-wing Carrier	-	F
General/Unspecified/Others	-	G
  - b) Surface Combatants (P)
 

Battleship	-	B
Cruiser	-	C
Destroyer	-	D
Frigate/Destroyer Escort	-	F
Patrol Craft Escort/Corvette/OPV	-	S
Patrol Gunboat	-	G
Hydrofoil	-	H
Air Cushion Vehicle (ACV)	-	V
Missile Boat	-	M
  - c) Submarines (U)
 

(Unspecified)	-	W
---------------	---	---
  - d) Amphibious Warfare Ships (L)
 

Landing Ship Tank	-	T
Landing Ship Medium	-	P
Landing Craft, Infantry	-	I
Dock Landing Ship	-	D
Amphibious Transport Ship	-	K
Amphibious Cargo Ship	-	C
Amphibious Assault Ship	-	A
Amphibious Fire Support Ship	-	F
  - e) Mine Warfare Ships (M)
 

Mine Countermeasure Ship	-	M
Minesweeper, Coastal	-	C
Minesweeper, Ocean	-	O
- 2) Small Combat Craft/Boats
  - a) Patrol Craft (D)
 

Hydrofoil Patrol	-	H
ACV Patrol	-	A
Fast Patrol Craft	-	F
Patrol Boat	-	B
Yard Patrol Boat	-	Y
  - b) Landing Craft (B)
 

Landing Craft, Assault	-	A
Landing Craft, Mechanized	-	M
Landing Craft, Personnel, Large	-	
Landing Craft, Personnel, Ramped	-	R
Landing Craft, Tank	-	T

	Landing Craft, Utility	-	U
	Landing Craft, Vehicle/Personnel	-	V
	Amphibious Warming Tug	-	W
	Landing Vehicle, Tracked	-	K
c)	Mine Warfare Craft (I)		
	Minesweeper Boat	-	B
	Minesweeper, River	-	R
	Minesweeper, Patrol	-	P
	Minesweeper. Special Device	-	S
d)	Riverine Craft (V)		
	Assault Support Patrol Boat	-	S
	Armor Troop Carrier	-	T
	Command/Control Boat	-	C
	River Patrol Boat	-	R
	Inshore Patrol Craft	-	I
	Quiet Fast Boat	-	Q
	Riverine Utility Craft	-	U
	Strike Assault Boat	-	A
	Light Amphibious Riverine Craft	-	L
3)	Auxiliary Ships (A)		
	Ammunition Ship	-	A
	Store Ship	-	S
	Research Ship	-	R
	Medical Ship	-	H
	Surveying Ship	-	M
	Cargo Ship	-	C
	Transport Ship	-	T
	Repair Ship	-	D
	Salvage Ship	-	V
	Rescue Ship	-	U
	POL Ship/Tanker	-	F
	Training Ship	-	N
	Radar Picket Ship	-	P
	Barracks Ship	-	B
	Tender (All types)	-	E
	Water Tanker	-	W
4)	Service Ships/Crafts		
a)	Major Ships		
1)	Self-propelled (Y)		
	Ocean Tug	-	Q
2)	Non Self-propelled (N)		
	Floating/Repair Drydock	-	D
	Lighter (All types)	-	L

- b) Minor Ships/Craft/Boats
  - 1) Self-propelled (G)
    - Ferry Boat Launch - F
    - Harbor Utility Craft - U
    - Harbor Tug (All types) - T
  - 2) Non Self-propelled (K)
    - Floating Crane - C
    - Lift Craft - B
    - Barge (POL) - O
    - Barge (Water) - W
    - Floating File Driver - H
    - Floating Workshop - S
    - Repair, Berthing & Messing Barge - R
    - Sludge Removal Barge - M
    - Dredge - E

### 3. Assigning Tail Number to PN Aircraft

All aircraft in the inventory of the PN are assigned numbers in accordance with the order of their acquisition consisting of three digits. The first digit refers to the code number for the type of aircraft and the second and third digit refer to the number based on the order of their acquisition using the system of base 5. The fixed-wing aircraft are assigned code number 3 while the rotary-wing aircraft are assigned code number 4. The assigned tail number is marked at the vertical fin assembly, centered horizontally. When referred to, the tail number is prefixed with the letter PN to identify it as an aircraft assigned to the Philippine Navy. As an example, the tail number PN304 refers to the fourth fixed-wing aircraft acquired belonging to the Philippine Navy. On the other hand, the tail number PN403 refers to the third rotary-wing aircraft acquired belonging to the Philippine Navy.

## B. PN Ships and Aircraft

### 1. Patrol Ships

#### a. Destroyer Escort (DE)

BRP RAJAH HUMABON (PF11) is the only DE type ship remaining in the PN inventory.

#### Capabilities:

- 1) Detect, track and destroy hostile undersea, air and surface craft.
- 2) Provide naval gunfire support (NGFS) and control of ship-to-shore movement of landing craft during amphibious operations.

- 3) Provide surface escort and screening duties to naval formations and merchant ships convoy.
- 4) Provide assistance to vessels, persons and property in distress.
- 5) Conduct search and rescue operations at sea.
- 6) Conduct coastal patrol for the enforcement of navigation, customs, fishing, quarantine and immigration rules and regulations.
- 7) Provide limited transport of personnel and cargoes.

General Characteristics:

Displacement, tons:

Full Load	-	1,620
Light Load	-	1,220

Dimensions, feet:

Lenght, overall	-	306
Breadth, maximum	-	36' 06 3/4"
Draft, full load		
Forward	-	13' 06"
Aft	-	14' 09"

Speed, knots:

Maximum	-	18
Maximum, sustained	-	16
Economical	-	15
Endurance, nm	-	6,000

Propulsion:

Main Engines	-	2 EMP 16V-645E(T) dsl engs
Auxiliary Engines	-	2 GM8-268A dsl

eng

with 200KW gen and  
1 GM3-268A dsl eng  
with 100KW gen

Armaments:

Main	-	3 3"/50 DP guns
Secondary	-	3 twin 40MM AA guns, 6 single 20MM AA guns, 2 81MM mortars, 50s and 30s

b. **Weather Heavy Endurance Cutter (WHEC)**

BRP ANDRES BONIFACIO (PF10) is the only remaining WHEC type ship in the PN inventory. The vessel is currently on decommissioned status but is being planned for recommissioning.

Capabilities:

- 1) Detect, track and destroy hostile undersea, air and surface craft.

- 2) Provide naval gunfire support (NGFS) during amphibious operations.
- 3) Provide surface escort and screening duties to naval formations and merchant ships convoy.
- 4) Provide assistance to vessels, persons and property in distress.
- 5) Conduct search and rescue operations at sea.
- 6) Conduct coastal patrol for the enforcement of navigation, customs, fishing, quarantine and immigration rules and regulations.
- 7) Provide limited transport of personnel and cargoes.

General Characteristics:

Displacement, tons:

Full Load	-	2,800
Light Load	-	1,766

Dimensions, feet:

Length, overall	-	311' 07 3/4"
Breadth, maximum	-	41' 02 3/8"
Draft, full load		
Forward	-	12' 07"
Aft	-	13' 08"

Speed, knots:

Maximum	-	18.2
Maximum, sustained	-	18.0
Economical	-	15.6
Endurance, nm	-	8,000

Propulsion:

Main Engines	-	2 Fairbanks Morse 38D dsl eng
Auxiliary Engines	-	2 GM8-268A dsl eng with 200KW gen and 2 GM3-268A dsl eng with 100KW gen

Armaments:

Main	-	1 single-turret 5"/38 DP guns
Secondary	-	2 twin and 2 single 40MM AA guns, 4 twin 20MM AA guns, 2 81MM mortars, 50s and 30s

c. **Minesweeper Frigate (MSF)**

There are two (2) MSFs currently in the PN inventory, namely:

BRP QUEZON (PS70)  
BRP RIZAL (PS74)

### Capabilities:

- 1) Detect, track and destroy hostile undersea, air and surface craft.
- 2) Provide naval gunfire support (NGFS) and control of ship-to-shore movement of landing craft during amphibious operations.
  
- 3) Provide surface escort and screening duties to naval formations and merchant ships convoy.
- 4) Provide assistance to vessels, persons and property in distress.
- 5) Conduct search and rescue operations at sea.
- 6) Conduct coastal patrol for the enforcement of navigation, customs, fishing, quarantine and immigration rules and regulations.
- 7) Provide limited transport of personnel and cargoes.

### General Characteristics:

#### Displacement, tons:

Full Load	-	1,250
Light Load	-	1,090

#### Dimensions, feet:

Length, overall	-	221' 00 15/16"
Breadth, maximum	-	32' 00 5/8"
Draft, full load		
Forward	-	10' 10"
Aft	-	11' 08"

#### Speed, knots:

Maximum	-	18
Maximum, sustained	-	18
Economical	-	12
Endurance, nm	-	5,000

#### Propulsion:

Main Engines	-	2 EMD 16V-645 dsl eng
Auxiliary Engines	-	2 GM3-268A dsl eng with 200KW gen and 1 GM3-268A dsl eng with 100KW gen

#### Armaments:

Main	-	2 single 3"/50 DP AA guns
Secondary	-	2 twin 40MM AA guns and 2 twin 20MM AA guns, 50s and 30s

d. **Patrol Craft Escort (PCE)**

There are eight (8) PCEs currently in the PN inventory, namely:

BRP MIGUEL MALVAR (PS19)  
BRP MAGAT SALAMAT (PS20)  
BRP SULTAN KUDARAT (PS22)  
BRP DATU MARIKUDO (PS23)  
BRP CEBU (PS28)  
BRP NEGROS OCCIDENTAL (PS29)  
BRP PANGASINAN (PS31)  
BRP ILOILO (PS32)

Capabilities:

- 1) Detect, track and destroy hostile air and surface craft.
- 2) Provide naval gunfire support (NGFS) and control of ship-to-shore movement of landing craft during amphibious operations.
- 3) Provide surface escort and screening duties to naval formations and merchant ships convoy.
  
- 4) Provide assistance to vessels, persons and property in distress.
- 5) Conduct search and rescue operations at sea.
- 6) Conduct coastal patrol for the enforcement of navigation, customs, fishing, quarantine and immigration rules and regulations.
- 7) Provide limited transport of personnel and cargoes.

General Characteristics:

Displacement, tons:

Full Load - 880,8  
Light Load - 764

Dimensions, feet:

Length, overall - 184' 06"  
Breadth, maximum - 33' 07 1/4"  
Draft, full load  
Forward - 09' 04"  
Aft - 09' 07"

Speed, knots:

Maximum - 16  
Maximum, sustained - 14  
Economical - 12

Endurance, nm	-	5,370
Propulsion:		
Main Engines	-	2 GM12-567ATL or GM12-278A dsl engs
Auxiliary Engines	-	2 GM6-71 dsl eng with 100KW gen and 1 GM3-268A dsl eng with 60KW gen

Armaments:

Main	-	1 single 3"/50 DP AA gun
Secondary	-	3 twin or 2 single 40MM AA guns 4 single 20MM AA guns, 50s and 30s

e. **Coastal Patrol Interdiction Craft (CPIC)**

There are four (4) CPICs currently in the PN inventory classified as Patrol Gunboats, namely:

BRP KAGITINGAN (PG101)  
 BRP BAGONG LAKAS (PG102)  
 BRP BAGONG SILANG (PG104)  
 BRP EMILIO AGUINALDO (PG140)

Capabilities:

- 1) Detect, track and destroy hostile surface craft.
- 2) Provide limited naval gunfire support (NGFS) during amphibious operations.
- 3) Provide surface escort duties to naval formations and merchant ships convoy.
- 4) Provide assistance to vessels, persons and property in distress.
- 5) Conduct search and rescue operations at sea.
- 6) Conduct coastal patrol for the enforcement of navigation, customs, fishing, quarantine and immigration rules and regulations.
- 7) Provide limited transport of personnel.

General Characteristics:

Displacement, tons:

For PG101, 102 & 104

Full Load	-	160
Light Load	-	136

For PG140

Full Load	-	215
Light Load	-	209

Dimensions, feet:

For PG101, 102 & 104	
Lenght, overall	- 121' 03"
Breadth, maximum	- 20' 03"
Draft, full load	
Forward	- 05' 07"
Aft	- 06' 07"
For PG140	
Lenght, overall	- 40.0 mtrs
Breadth, maximum	- 7.4 mtrs
Draft, full load	
Forward	- 1.3 mtrs
Aft	- 1.7 mtrs
Speed, knots:	
Maximum	- 25 for PG140 and 21 for PG101, 102 & 104
Maximum, sustained	- 18 for PG140 and 14 for PG101, 102 & 104
Economical	- 12
Endurance, nm	- 1,500
Propulsion:	
Main Engines	- 2 MTU16V 538TB91 MD871/30 dsl eng for PG101, 102 & 104 and 2 GM12V 92 TA for PG140
Auxiliary Engines	- 2 GM6-71 dsl eng with 60KW gen

Armaments: 1 twin 30MM Emerlec guns for PG101; 2 single 40MM AA guns and 2 single 20MM AA guns for PG140, 50s and 20s for all

f. **Patrol Gunboat [Korean Patrol Killer Medium (PKM)]**

There are currently five (5) Korean patrol boats [formerly Patrol Killer Medium (PKM)] which were transferred by Republic of Korea to the Philippine government. These craft were activated by the PN on 12 September 1995. At present, these craft are being rehabilitated and will be commissioned into the service of the PN as Patrol Gunboats (PG) with the following names:

BRP TOMAS BATILO (PG110)  
BRP BONNY SERRANO (PG111)  
BRP BIENVENIDO SALTING (PG112)

BRP SALVADOR ABCEDE (PG114)  
BRP RAMON AGUIRRE (PG115)

The PKMs have the following general characteristics:

Displacement, tons:

Full Load	-	142.8
Light Load	-	110

Dimensions, meters:

Length, overall	-	32.92
Breadth, maximum	-	6.92
Draft, full load	-	2.45

Speed, knots:

Maximum	-	38
Maximum, Cruising	-	23

g. **Patrol Gunboat [Korean Fast Attack Craft, Patrol (FACP 84-Footer)]**

There are currently twelve (12) Korean Fast Attack Craft, Patrol (FACP 84-Footer) [formerly Patrol Killer (PK)] which were transferred by Republic of Korea to the Philippine government. Ten (10) of these craft were activated on 19 June 1993 and eventually commissioned into the service of the PN as Patrol Gunboats with names, as follows:

BRP CONRADO YAP (PG840)  
BRP TEODORICO DOMINADO JR (PG842)  
BRP COSME ACOSTA (PG843)  
BRP JOSE ARTIAGA (PG844)  
BRP NICANOR JIMENEZ (PG846)  
BRP LEOPOLDO REGIS (PG847)  
BRP LEON TADINA (PG848)  
BRP LORETO DANIPOG (PG849)  
BRP APOLLO TIANO (PG851)  
BRP SULPICIO FERNANDEZ (PG853)

Capabilities:

- 1) Detect, track and destroy hostile surface craft.
- 2) Provide surface escort duties to naval formations and merchant ships convoy.
- 3) Provide assistance to vessels, persons and property in distress.
- 4) Conduct search and rescue operations at sea.
- 5) Conduct coastal patrol for the enforcement of navigation, customs, fishing, quarantine and immigration rules and regulations.
- 6) Provide limited transport of personnel.

General Characteristics:

Displacement, tons:

Full Load	-	74.48
Light Load	-	65.35

Dimensions, meters:

Length, overall	-	25.47
Breadth, maximum	-	4.40
Draft, full load	-	1.90

Speed, knots:

Maximum	-	38
Maximum, cruising	-	25
Endurance, nm	-	300

Propulsion:

Main Engines	-	2 MTU 16V 538 TB91 dsl eng
Auxiliary Engines	-	1 Mitsubishi GDS 70MP dsl eng with 60KW gen

Armaments: 1 single 40MM AA gun, 1 twin  
20MM MK16 AA gun, 60s, and 50s

h. **Patrol Gunboat (78-Footer)**

There are currently twelve (12) newly-built HALTER CLASS 78-Footer patrol craft which were acquired recently from the US through FMS by the Philippine government. These craft were initially activated as Patrol Craft Fast (PCF) upon their acquisition but later on they were commissioned into the service as Patrol Gunboats and named, as follows:

BRP JOSE ANDRADA (PG370)  
BRP ENRIQUE JURADO (PG371)  
BRP ALFREDO PECKSON (PG372)  
BRP SIMEON CASTRO (PG374)  
BRP CARLOS ALBERT (PG375)  
BRP HERACLEO ALANO (PG376)  
BRP LIBERATO PICAR (PG377)  
BRP HILARIO RUIZ (PG378)  
BRP RAFAEL PARGAS (PG379)  
BRP NESTOR REINOSO (PG380)  
BRP DIOSCORO PAPA (PG381)  
BRP ISMAEL LOMIBAO (PG843)

Capabilities:

- 1) Detect, track and destroy hostile surface craft.

- 2) Provide surface escort duties to naval formations and merchant ships convoy.
- 3) Provide assistance to vessels, persons and property in distress.
- 4) Conduct search and rescue operations at sea.
- 5) Conduct coastal patrol for the enforcement of navigation, customs, fishing, quarantine and immigration rules and regulations.
- 6) Provide limited transport of personnel.

General Characteristics:

Displacement, tons:

Full Load	-	56.4
Light Load	-	49.5

Dimensions, ,feet:

Lenght, overall	-	78
Breadth, maximum	-	20
Draft, full load	-	5.75

Speed, knots:

Maximum	-	28
Maximum, cruising	-	24
Endurance, nm	-	1,200

Propulsion:

Main Engines	-	2 Detroit 16V92TA dsl eng
Auxiliary Engines	-	2 35KW generated power

Armaments: 1 twin 25MM gun fitted on PG379, 380, 381 & 383; 60s and 50s for others

2. **Auxiliary/Transport Ships**

a. **Landing Ship Tank (LST)**

There are seven (7) LSTs currently remaining in the PN inventory, namely:

BRP SIERRA MADRE (LT57)  
 BRP ZAMBOANGA DEL SUR (LT86)  
 BRP SOUTH COTABATO (LT87)  
 BRP LAGUNA (LT501)  
 BRP LANA DEL NORTE (LT504)  
 BRP BENGUET (LT507)  
 BRP KALINGA APAYAO (LT516)

Capabilities:

- 1) Land troops, tanks, vehicles and other equipment directly on assault beaches during amphibious operations and on beaches of places not requiring port facilities.
- 2) Sealift general cargo up to maximum load of 1,600 tons.
- 3) Sealift personnel up to a maximum load of 500 persons.
- 4) Provide helideck for a Huey type of helicopter.
- 5) Provide assistance to vessels, persons and property in distress.
- 6) Conduct search and rescue operations at sea.
- 7) Provide limited naval gunfire support (NGFS) during amphibious operations.

General Characteristics:

Displacement, tons:

Full Load	-	4,080
Light Load	-	2,472

Dimensions, feet:

Length, overall	-	327' 09"
Breadth, maximum	-	50' 11 1/2"
Draft, full load		
Forward	-	07' 09"
Aft	-	13' 00"

Speed, knots:

Maximum	-	11
Maximum, sustained	-	10
Economical	-	9
Endurance	-	20,000

Propulsion:

Main Engines	-	2 GM12-278A dsl eng
Auxiliary Engines	-	5 GM3-268A dsl eng with 100KW gen

Armaments: 2 twin 40MM AA guns, 4 single 40MM AA guns, 50s and 30s

b. **Logistics Support Vessel (LSV)**

There are currently two (2) newly-built BESSON CLASS LSVs which were acquired from the US through FMS by the Philippine government. These vessels were commissioned as Amphibious Cargo Ship and named as follows:

BRP BACOLOD CITY (LC550)  
BRP DAGUPAN CITY (LC551)

Capabilities:

- 1) Land troops, tanks, vehicles and other equipment directly on assault beaches during amphibious operations and on beaches of places not requiring port facilities.
- 2) Sealift general cargo up to maximum load of 200 tons.
- 3) Sealift personnel up to a maximum load of one (1) company of troops.
- 4) Provide helideck for a BO105 helicopter.
- 5) Provide assistance to vessels, persons and property in distress.
- 6) Conduct search and rescue operations at sea.

General Characteristics:

Displacement, tons:

Full Load	-	1,800
Light Load	-	1,400

Dimensions, feet:

Length, overall	-	272' 09"
Breadth, maximum	-	60' 00"
Draft, full load		
Forward	-	08' 09"
Aft	-	12' 00"

Speed, knots:

Maximum	-	12
Maximum, sustained	-	10
Economical	-	9
Endurance	-	5,000

Propulsion:

Main Engines	-	2 EMD 16 V-645
EZ6 Hatch & Kirk dsl eng		
Auxiliary Engines	-	3 Caterpillar
dsl eng with 250KVA and 130KW gens		

Armaments: 2 MECCH MK4 2-MM MG, 60s

c. **Auxiliary Transport Ship**

There are two (2) Auxiliary Transport Ships presently in the PN inventory, namely: BRP ANG PANGULO (AT25) and BRP MANGYAN (AT71). AT25 is basically a civilian yacht ordered by the Philippine government from Japan under the

Japanese reparation for damages during World War II. This ship is designed as a presidential yacht and is primarily used by the President of the Republic of the Philippines for his official sorties to the different parts of the country. AT71 is formerly a US Army Freight Ship (FS) and is used by the PN for general cargo transport. It is provided with yard and stay boom for cargo handling. Except for presidential and VIP accommodation, both ships have the similar capabilities.

Capabilities:

- 1) Provide a safe, healthful and comfortable water transport for the President of the Republic of the Philippines for use in movements to areas of the country not accessible by land or air transportation.
- 2) Provide the venue for the following:
  - a) state functions
  - b) transport of VIPs
  - c) naval flagship
  - d) floating exposition
  - e) training ship
  - f) general sea transport
- 3) Provide assistance to vessels, persons and property in distress.
- 4) Conduct search and rescue operations at sea.

General Characteristics: (AT25)

Displacement, tons:

Full Load	-	2,200
Light Load	-	1,800

Dimensions, feet:

Length, overall	-	275' 07 1/8"
Breadth, maximum	-	42' 07 7/8"
Draft, full load		
Forward	-	16' 05"
Aft	-	20' 05"

Speed, knots:

Maximum	-	16
Maximum, sustained	-	15
Economical	-	13.5
Endurance, nm	-	8,000

Propulsion:

Main Engines	-	1 NIAGATA 8MG 31EZ dsl eng
Auxiliary Engines	-	4 HANSGIN dsl eng with 400KW gen

Armaments: 1 twin 20MM and 2 single 20MM AA guns. 50s and 30s

General Characteristics: (AT71)

Displacement, tons:

Full Load	-	610
Light Load	-	480

Dimensions, feet:

Length, overall	-	180' 00"
Breadth, maximum	-	32' 00"
Draft, full load		
Forward	-	07' 00"
Aft	-	10' 00"

Speed, knots:

Maximum	-	10
Maximum, sustained	-	9
Economical	-	7
Endurance, nm	-	5,000

Propulsion:

Main Engines	-	2 GM6-278A dsl eng
Auxiliary Engines	-	3 GM3-268A dsl eng with 100 and 60 KW gens

Armaments: 1 81MM Mortar, 50s and 30s

d. **Auxiliary Oil Tanker**

There are currently two (2) Auxiliary Oil Tankers remaining in the PN inventory, namely:

BRP LAKE TAAL (AF72)  
BRP LAKE BUHI (AF78)

Capabilities:

- 1) Conduct mobile POL support and replenishment to all PN units.
- 2) Provide assistance to vessels, persons and property in distress.
- 3) Conduct limited search and rescue operations at sea.
- 4) Provide limited personnel and cargo transport services.

General Characteristics:

Displacement, tons:

Full Load	-	1,400
Light Load	-	520

Dimensions, feet:

Lenght, overall	-	174' 04"
Breadth, maximum	-	32' 10"
Draft, full load		
Forward	-	13' 02"
Aft	-	14' 03"
Speed, knots:		
Maximum	-	10
Maximum, sustained	-	9.5
Economical	-	8.0
Endurance, nm	-	3,000
Propulsion:		
Main Engines	-	1 GM8-278A dsl eng
Auxiliary Engines	-	2 GM3-71 dsl engs with 60KW gens

Armaments: 1 single 20MM AA guns, 50s and 30s

e. **Auxiliary Water Tender**

There are currently two (2) Auxiliary Water Tenders in the PN inventory, namely:

BRP LAKE BULUAN (AW33)  
BRP LAKE PAOAY (AW34)

**Capabilities:**

- 1) Conduct mobile water support and replenishment to all PN units.
- 2) Provide assistance to vessels, persons and property in distress.
- 3) Conduct limited search and rescue operations at sea.
- 4) Provide limited personnel and cargo transport services.

**General Characteristics:**

Displacement, tons:		
Full Load	-	1,235
Light Load	-	840
Dimensions, feet:		
Lenght, overall	-	174' 04"
Breadth, maximum	-	32' 10"
Draft, full load		
Forward	-	13' 02"
Aft	-	14' 03"

Speed, knots:

Maximum	-	10
Maximum, sustained	-	9.5
Economical	-	8.0
Endurance, nm	-	3,000

Propulsion:

Main Engines	-	1 GM8-278A dsl eng
Auxiliary Engines	-	2 GM3-71 dsl engs with 60KW gens

Armaments: 1 single 20MM AA guns, 50s and 30s

f. **Auxiliary Survey Ship**

There are currently two (2) Auxiliary Survey Ship in the PN inventory, namely:

BRP FORT SAN FELIPE (AM700)  
BRP FORT ABAD (AM701)

Capabilities:

- 1) Conduct signal intelligence operations at sea.
- 2) Perform other seaborne intelligence operations.
- 3) Conduct limited search and rescue operations at sea.
- 4) Provide assistance to vessels, persons and property in distress.
- 5) Provide limited personnel and cargo transport services.

General Characteristics:

Displacement, tons:

Full Load	-	303
Light Load	-	220

Dimensions, meters:

Lenght, overall	-	37
Breadth, maximum	-	7
Draft, full load, meters		
Forward	-	2m 10cm
Aft	-	2m 20cm

Speed, knots:

Maximum	-	30
Maximum, sustained	-	25

Economical	-	15
Endurance, nm	-	1,200
Propulsion:		
Main Engines	-	3 Maybach 58 AGL
84 dsl eng		
Auxiliary Engines	-	2 Maybach dsl eng
with 140KW gens		
with 60KW gens		

### 3. **Patrol Craft**

There are several types of Patrol Craft currently in the PN inventory categorized as Patrol Craft Fast (PCF) and High Speed Boat (HSB), Coast Guard Cutter (CGC) and Riverine Utility Craft (RUC) . These craft are designed for inshore warfare, such as, deep rivers, harbors and coastal waters. They can carry out patrols, surveillance, interdiction, fire support against ashore and afloat targets and insertion/extraction of sea-land-air (SEAL) units. The craft are powered by 2-3 high-speed, lightweight diesel engines or pump jet engines capable of speeds ranging from 16-46 knots, displace between 11-55 tons with endurance of 200-1,500 nautical miles. They are equipped with tactical communications, detection and tracking equipment as well as crew-served weapons and have either alluminum or steel hull with a low silhouette, low radar cross section and extremely low acoustic noise level to preclude ready detection. The type of craft are as follows:

PCF 65-FOOTER MK I  
PCF 65-FOOTER MAK III  
PCF 50-FOOTER MK I  
PCF 50-FOOTER MK II  
PCF 50-FOOTER MK III  
PCF 46-FOOTER  
HSB 46-FOOTER  
CGC 40-FOOTER  
RUC 36-FOOTER

#### Capabilities:

- 1) Conduct river, harbor and coastal patrols.
- 2) Provide limited naval gunfire support (NGFS) to small scale landing or special operations.
- 3) Conduct limited search and rescue operations at sea.
- 4) Provide limited personnel and cargo transport services.

#### 4. **Service Craft**

Service craft are Navy's waterborne resources which provides various types of services and support within the harbors and the confines of bases and stations. These are the craft ranging from small ferry boats to tugs and barges, floating cranes, dredgers and large floating drydocks that can take on board and raise out of the water ships for repairs. It includes small boats of the fleet which are carried by ships, such as, landing craft. All of these craft maybe used in the ferry of personnel and equipment, assisting in docking and undocking of ships to and from the pier, floating drydocks, lifting of heavy repair materials and deepening of shallow waters at the harbor. These craft are as follows:

- Landing Craft Utility (LCU)
- Landing Craft, Mechanized (LCM)
- Landing Craft, Vehicle and Personnel (LCVP)
- Yard Tugboat, Light (YTL)
- Auxiliary Floating Drydock, Large (AFDL)

#### 5. **Aircraft**

The PN has currently three types of fixed-wing aircraft and one type of rotary-wing aircraft in its inventory, namely:

##### a. **Fixed wing Aircraft**

BN-ISLANDER FIXED-WING AIRCRAFT  
CESSNA 177 B CARDINAL FIXED-WING  
AIRCRAFT  
L4J PIPER CUB FIXED-WING AIRCRAFT

##### Capabilities:

- 1) Coastal maritime patrol
- 2) Air reconnaissance
- 3) Search and rescue
- 4) Medical evacuation
- 5) Limited transport of personnel and supply
- 6) Forward air control
- 7) Paradrop and parachutist training

##### General Characteristics:

- 1) BN-ISLANDER

Power Plant: twin LYCOMING I0-540-KIB5

turboprop engines

Weight, pounds: 3,762

Dimensions, feet:

Lenght - 35' 08"

Height - 13' 09"

Wing Span - 53'

Speed, knots:

Maximum - 156

Cruising - 148

Range, nm - 695

Payload, pounds: 2,838

Absolute Ceiling, feet: 19,600

2) CESSNA 177B CARDINAL

Power Plant: single LYCOMING 0-360 AIFGD

turboprop engine

Weight, pounds: 1,500

Dimensions, feet:

Lenght -

Height -

Wing Span -

Speed, knots:

Maximum - 105

Cruising - 100

Range, nm - 535

Payload, pounds: 1,000

Absolute Ceiling, feet: 14,600

3) L4J PIPER CUB

Power Plant: single CONTINENTAL A-65-88

turboprop engine

Weight, pounds: 1,262

Dimensions, feet:

Lenght -

Height -

Wing Span -

Speed, knots:

Maximum - 80

Cruising - 70

Range, nm - 350

Payload, pounds:

Absolute Ceiling, feet:

b. **Rotary-wing Aircraft**

BO-105 HELICOPTER

Capabilities:

- 1) Search and rescue
- 2) Air reconnaissance
- 3) Aerial photography (oblique)
- 4) VIP transport
- 5) Medical evacuation
- 6) Parachuting (free fall)

General Characteristics:

Power Plant: twin ALLISON 250-C020B turboprop engines

Gross weight, pounds: 5,026

Dimensions, feet:

Length, tail rotor horiz	-	38' 10"
Height, incl landing gear	-	9' 10.3"
Rotor diameter	-	32' 02.6"

Speed, knots:

Maximum	-	100
Cruising	-	100
Range, nm	-	500

Payload, pounds:

Absolute Ceiling, feet: