
添付資料 1 : Minuets of Meeting

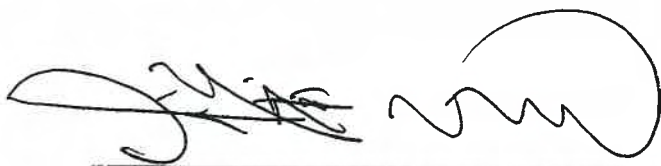
**MINUTES OF MEETINGS
BETWEEN
THE JAPANESE TERMINAL EVALUATION TEAM
AND
PHILIPPINE COAST GUARD
THE GOVERNMENT OF THE PHILIPPINES
ON
THE PROJECT ON PHILIPPINE COAST GUARD
HUMAN RESOURCE DEVELOPMENT**

The Japanese Terminal Evaluation Team (hereinafter referred to as “the Team”), organized by the Japan International Cooperation Agency (hereinafter referred to as “JICA”) and headed by Mr. Hozumi KATAUTA, visited the Republic of the Philippines from October 15 to October 28 2006, for the purpose of the terminal evaluation of the Project on Philippine Coast Guard Human Resource Development (hereinafter referred to as “the Project”).

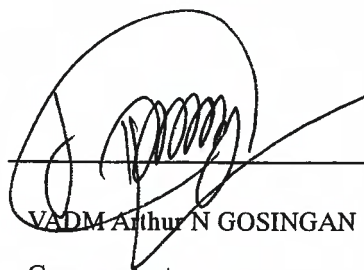
During its stay in the Republic of the Philippines, the Team evaluated the progress and achievement of the Project and had a series of discussions with the Philippine Coast Guard (hereinafter referred to as “PCG”) and the authorities concerned with the Project. On October 26, the Team and PCG counterparts mutually agreed on the Minutes of Meetings.

On October 27 2006, the sixth Joint Coordinating Committee Meeting was held for the confirmation of the above Minutes. As a result of the discussions in the Committee, both Philippine side and Japanese side agreed on the contents of the Minutes.

Manila, October 27 2006



Mr. Shozo MATSUURA
Resident Representative of
Japan International Cooperation Agency
In the Republic of the Philippines



VADM Arthur N GOSINGAN
Commandant
Philippine Coast Guard


**MINUTES OF MEETINGS
BETWEEN
THE JAPANESE TERMINAL EVALUATION TEAM
AND
PHILIPPINE COAST GUARD
THE GOVERNMENT OF THE PHILIPPINES
ON
THE PROJECT ON PHILIPPINE COAST GUARD
HUMAN RESOURCE DEVELOPMENT**

The Japanese Terminal Evaluation Team (hereinafter referred to as “the Team”), organized by the Japan International Cooperation Agency (hereinafter referred to as “JICA”) and headed by Mr. Hozumi KATAUTA, visited the Republic of the Philippines from October 15 to October 28 2006, for the purpose of the terminal evaluation of the Project on Philippine Coast Guard Human Resource Development (hereinafter referred to as “the Project”).


During its stay in the Republic of the Philippines, the Team evaluated the progress and achievement of the Project and had a series of discussions with the Philippine Coast Guard (hereinafter referred to as “PCG”) and the authorities concerned with the Project.

As a result of the discussions, the Team and PCG agreed to report to their respective Governments the matters referred in the document attached hereto.

Manila, October 26 2006



Mr. Hozumi KATSUTA
Leader
Japanese Terminal Evaluation Team
Japan International Cooperation Agency



RADM Damian L CARLOS
Project Director
PCG Human Resource Development Project
Philippine Coast Guard

Attachment

FISCAL YEAR

Fiscal year of the Government of Japan (JFY): April 1 – March 31

Fiscal year of the Philippine Government (PFY): January 1 – December 31

CURRENCY EQUIVALENTS

1 Philippine Pesos = 2.35 Japanese Yen (JPY)

ABBREVIATIONS AND ACRONYMS

LIST OF ABBREVIATION AND ACRONYMS USED

ATON	Aids to Navigation
AUSAID	The Australian Government's Overseas Aid Program
CGAC	Coast Guard Action Center
CGETC	Coast Guard Education and Training Command
C/P	Counterpart Personnel
EOJ	Embassy of Japan
GAD	The Gender and Development Plan
JICA	Japan International Cooperation Agency
JFY	Fiscal Year of the Government of Japan
JPY	Japanese Yen
MARLEN	Maritime Law Enforcement
MARPOL	Marine Pollution
MTPDP	Medium-Term Philippine Development Plan
NMP	National Maritime Polytechnic
OSC	Oil Spill Combating
M/M	Minutes of Meetings
OJT	On-the-Job Training
PCG	Philippine Coast Guard
PCM	Project Cycle Management
PDM	Project Design Matrix
PFY	Philippine Fiscal Year
PMMA	Philippine Merchant Marine Academy
PNPA	Philippine National Police Academy
PO	Plan of Operation
SAR	Search and Rescue
R/D	Record of Discussions
DAC/OECD	Development Assistance Committee in the Organization for Economic Co-operation and Development
CGOC	Coast Guard Officer's Course
CGMC	Coast Guardsman's Course
BUSOC	Basic Underwater Specialist Operation Course
MARSEC	Maritime Security Courses
MAREPC	Marine Environmental Protection Course
MARSAD	Maritime Safety Administration Course

ALMC	Advance Leadership & Management Course
BLMC	Basic Leadership & Management Course
CGCSC	Coast Guard Command and Staff Course
SPOC	Senior Petty Officer Course
OOD/OOW	Officer of the Deck/Officer on Watch
EOD	Explosive Ordinance Disposal

TABLE OF CONTENTS

1.	Introduction	1
(1)	Objectives of the Evaluation Study	1
(2)	Japanese Evaluation Team Members	1
(3)	Study Schedule	1
2.	Project Outline	3
(1)	Background	3
(2)	Target fields of the Technical transfer	3
(3)	Project Summary	3
(4)	Project Design Matrix (PDM)	4
3.	Methods of Evaluation	4
4.	Focal point on Evaluation	5
5.	Inputs	6
6.	Implementation Process	7
7.	Project Achievements	20
(1)	Overall Goal	20
(2)	Project Purpose	22
(3)	Outputs	24
8.	Evaluation Results	29
(1)	Relevance	29
(2)	Effectiveness	30
(3)	Efficiency	30
(4)	Impact	31
(5)	Sustainability	33
9.	Conclusion	37
10.	Recommendations	37
11.	Lessons learned	38

List of ANNEX

- 01 - Project Design Matrix Ver-1
- 02 - Plan of Operation Ver-1
- 03 - Project Design Matrix Ver-2
- 04 - Plan of Operation Ver-2
- 05 - Project Design Matrix Ver-3
- 06 - Plan of Operation Ver-3
- 07, 08 - Japanese Experts and Counter Parts Assignment Period
- 09 - CP Training in Japan & KOJIMA Training
- 10 - List of Equipment

Handwritten signature and initials, possibly 'MK' or similar, located at the bottom right of the page.

- 11 - Local Cost Expenditure (Japanese side)
- 12 - Operational Cost (CGETC budget)
- 13 - List of Products
- 14 - CGETC STATION LIST
- 15 - ORGANIZATIONAL STRUCTURE
- 16 - Memorandum of Workshop at Terminal Evaluation Study, October 23, 2006

Q *HK*

1. Introduction

(1) Objectives of the Evaluation Study

The terminal evaluation of the Project was conducted with the following objectives.

- To confirm process on the implementation of the Project.
- To confirm the achievement of the Project and put forward effective recommendations for sustainability of the Project.
- To clarify in the logical framework how to achieve the Overall Goal, “Performance capability of PCG is improved”.
- To confirm the current status of the issues cited in the mid-term evaluation.
- To review and discuss the scope, issues of succession project, currently requested by the Government of the Philippines

(2) Japanese Evaluation Team Members

The evaluation and the recommendations on the Project were made by the following members of the Japanese Evaluation Team (hereafter referred to as “the Team”).

Name	Assignment	Title/Organization
Mr. KATSUTA Hozumi	Leader of the Japanese Study Team	Development Specialist, Social Development Department, Japan International Cooperation Agency (JICA)
CDR. TOHYAMA Atsushi	Human resource development	Deputy Director, International Criminal Investigation Division, Guard and Rescue Department, Japan Coast Guard
Mr. OSADA Hiromi	Evaluation Analysis	Senior Consultant, Public Administration, IC-Net Limited
Mr. ISHIHARA Masatoyo	Evaluation Planning	Transportation Team-1, Social Development Department, Japan International Cooperation Agency (JICA)

(3) Study Schedule

The Team conducted documentary reviews, interviews and site visits from October 15 to 28, 2006. Based on these activities, the Joint Coordinating Committee held a meeting on October 27, 2006. During the evaluation process, the Team members discussed issues relevant to the execution of the Project with the government authorities and institutions. The following table shows the detailed schedule.

Study Schedule

		Date		Leader	Evaluation Planning	Human Resource Development	Evaluation Analysis
	1	Oct. 15	Sun				Flight to Manila
	2	Oct. 16	Mon				Meeting with JICA Office, Interview to the counterpart, Investigation for evaluation
	3	Oct. 17	Tue				
	4	Oct. 18	Wed				
	5	Oct. 19	Thu	Flight to Manila Meeting at JICA Office			
	6	Oct. 20	Fri	Mid-Term evaluation of CNS/ATS			
	7	Oct. 21	Sat	Analysis of collected materials	Flight to Manila		Analysis of collected materials
1	8	Oct. 22	Sun	Analysis of collected materials		Flight to Manila	
2	9	Oct. 23	Mon	Courtesy Call to Philippine Coast Guard Evaluation workshop			
3	10	Oct. 24	Tue	Internal meeting of the mission			
4	11	Oct. 25	Wed	Finalizing draft M/M (Minutes of meeting)			
5	12	Oct. 26	Thu	Discussion with PCG officers about draft M/M			
6	13	Oct. 27	Fri	Meeting of Joint Coordinating Committee, Report to JICA Office, the Embassy of Japan			
7	14	Oct. 28	Sat	Departure at Philippine/Arrival at Japan			

AK

[Signature]

2. Project Outline

(1) Background

As an archipelago, the Philippines rely on maritime transportation system for basic passenger transport as well as for cargo transport. As such, maritime transportation is one of the key industries directly related to the fisheries and tourism, frequency of maritime incidents has been one of serious issues of the country.

Moreover, increased marine pollution, piracy and smuggling cases reported by neighboring countries urgently call for the enhancement of law to ensure maritime security at all times, as in the case of Japan who has more than 90% of crude oil transported through offshore of the Philippines.

For that, the Philippine government has recognized the urgent needs to enhance the institutional capability building and human resource development of Philippine Coast Guard (PCG), which is responsible for implementation and enforcement of maritime transport safety policies and regulations.

In March 2001, PCG has completed the construction of its new training building, namely Coast Guard Training Center (Coast Guard Education and Training Command; 'CGETC') so as to enhance the capability of PCG personnel through education and training.

However, CGETC has not fully developed its potential for education due to insufficient equipment, outdated curriculum and lack of standard textbooks. There is now urgent need for CGETC to improve in terms of facilities and faculty.

Thus the Government of Philippines has requested the Japanese Government to carry out a technical cooperation project to improve the performance capability of PCG through the upgrade of educational and training programs. In response to this request, the Japanese Government began a 5-year technical cooperation project in July 2002.

(2) Target fields of the Technical transfer

The project aims to develop the capability of PCG in the following 4 fields via education and training course revision, development and seminar improvement

- 1) Maritime Law Enforcement (MARLEN)
Enforcement of applicable laws for anti-illegal fishing, anti-piracy, anti-seajack, anti-smuggling, anti-illegal logging, etc.
- 2) Marine Search & Rescue (SAR)
Operation of SAR mission, Establishment of SAR communication system (GMDSS), Maintenance of SAR equipment, Provision on SAR facilities, SAR Survey, etc.
- 3) Aids to Navigation (ATON)
Man-made objects used by mariners to determine position or a safe course, assisting mariners in making a safe landfall, marking isolated dangers, enabling pilots to follow channels, and providing a continuous chain of charted marks for precise piloting in coastal waters
- 4) Marine Environmental Protection (MARPOL & OSC)
Prevention of marine pollution, Marine environmental protection, Oil spill combating, protection of marine resources, Enforcement of environmental laws, implementation of international conventions, etc.

(3) Project Summary

The objective of the Project is to develop knowledge and skills of PCG personnel by the training and

education. The Outputs are divided into the three fields, enhancing education and training management system of PCG, improving the training course and seminars (SAR, ATON, MARPOL & OSC, MARLEN) and basic training courses. Currently, 5 long-term experts, i.e., a chief advisor and expert of MAREP&OSC, expert of MARSAR & ATON, expert of MARLEN and a coordinator, have been dispatched.

Here is an outline of basic information of the Project.

Project name	The Project on Philippine Coast Guard Human Resource Development
Related organizations	Philippine Coast Guard (PCG)
Administrative system	Project Director: RADM. Damian L CARLOS PCG, Deputy Commandant for Administration Project Manager: COMMO Noli C. FLORES PCG, Commander CGETC
Date of signing (R/D)	March 22 nd , 2002
Cooperation period	From July 1 st , 2002 to June 30 th , 2007
Cooperation scheme	Technical cooperation Project
Related cooperation by JICA	<ul style="list-style-type: none"> • An individual expert for Administration of Coast Guard • Basic Design (B/D) for Grant Aid program "Enforcement of PCG Coast Guard Communication system" • Group counterpart training "Maritime rescue, Disaster Response"
Other donors and related cooperation	<ul style="list-style-type: none"> • AUSAID: Procurement of disaster response vessels and construction of Coast Guard Education & Training Command (CGETC)

(4) Project Design Matrix (PDM)

PDM 3, used for analysis on this evaluation study, indicates the current framework of the Project.

Three versions of PDMs have been formulated since the beginning of the Project. Major contents of PDM1 have been approved by both the Philippine and Japanese sides in discussions on March 2002. Then PDM 1 was modified into PDM 2 on July 4, 2004. Finally, PDM 3 was approved in the mid-term evaluation study on July 25th, 2005 with some amendments to the Indicators and Activities. All the versions of the PDMs are attached in "APPENDIX II: Project Design Matrix (PDM1, PDM2 and PDM3)"

3. Methods of Evaluation

The entire evaluation was conducted based on the Project Cycle Management (PCM) method. The Evaluation Team (hereinafter referred to as the "Team") examined all the versions of PDM, process of project preparation and implementation, and achievement of the Outputs through analysis of related documents. Then the Team visited the Project site and had a series of interviews with the Japanese experts, counterparts and other relevant stakeholders. Subsequently, the Team confirmed the status of the Project's achievement in terms of Inputs, Activities, Outputs, Project Purpose and Overall Goal stated in PDM. The Team also evaluated the Project in the light of the five criteria by DAC/OECD: Efficiency, Effectiveness, Impact, Relevance and Sustainability. These criteria are defined as follows.

Five criteria for evaluation

Evaluation criteria	Descriptions
Relevance	Relevance refers to the validity of the Project purpose and the overall goal in connection with the development policy of the recipient governments as well as the needs of beneficiaries.
Effectiveness	Effectiveness refers to the extent to which the expected benefits of the Project have been achieved as planned, and examines if the benefit was brought about as a result of the Project (not of external factors).
Efficiency	Efficiency refers to the productivity of the implementation process, examining if the input of the Project was efficiently converted into the Output.
Impact	Impact refers to direct and indirect, positive and negative impacts caused by implementing the Project, including the extent to which the overall goal has been attained.
Sustainability	Sustainability refers to the extent to which the recipient country can further develop the Project, and the benefits generated by the Project can be sustained under the recipient country's policies, technology, systems, and financial state.

4. Focal point on Evaluation

- (1) Project Impact on the improvement of the whole education and training system of PCG
As was written in the objective of the project "PCG personnel with knowledge and skills to perform their functions are developed", the project aim to improve the whole education and training system of PCG. Therefore, terminal evaluation should examine the impact of the project not only in terms of individual courses assisted by the project, but also in terms of whole education and training system of PCG, about its changes before and after the project implementation.
- (2) Basic education and training course, technical level of PCG personnel
After the commencement of the project, the team recognized PCG personnel lacks basic knowledge and skills, which have caused necessity to improvement the basic training courses. This affected the efficiency of the project implementation.
In light of these problems, mid-term evaluation added the improvement of the basic education and training courses as outputs of the project. In terminal evaluation, this additional output was examined about its contents, achievement, issues.
- (3) Initiation of Full-time faculty system, PCG's personnel system
In terms of projects' sustainability, it is vital for PCG to continue the education and training courses in appropriate level by themselves after the implementation of the project. For that, mid-term evaluation added "initiation of full-time faculty system" as the output indicator. In terminal evaluation, following items were examined; project activities, achievement and issues since mid-term evaluation.
- (4) Monitoring and evaluation system
Before Mid-term evaluation, evaluation/feed back system was considered as part of activity, not as output of the project. This was because monitoring/evaluation system was rather specific activity to enhance the quality of education and training courses. In terminal evaluation, the effectiveness of the system was examined, including the contents of monitoring sheets.

MHC

R

5. Inputs

5.1 Inputs from Japanese side

(1) Input of Japanese Experts

Long-term (as of October 2006)

	2002	2003	2004	2005	2006	2007	Total
NO pf experts	5	5	5	8	5	4*	32
Total M/M	43	60	60	60			

Note: Japanese fiscal year when the experts were dispatched

*Scheduled

Short-term (as of October 2006)

		2002	2003	2004	2005	2006	Total
SAR	NO dispatched	3	2	1	1		7
	M/M	6.00M/M	0.87M/M	0.73M/M	0.66M/M		8.26M/M
MARPOL/OSC	NO dispatched		2	4	4		10
	M/M		1.00M/M	2.74M/M	2.94M/M		6.68M/M
MARLEN	NO dispatched	3	2	4	4	3	16
	M/M	0.60M/M	1.00M/M	2.17M/M	1.24M/M	1.94M/M	6.95M/M
ATON	NO dispatched			1	1		2
	M/M			0.67M/M	0.63M/M		1.30M/M
Others*	NO dispatched			1	1		2
	M/M			1.50M/M	1.17M/M		2.67M/M
Total	NO dispatched	6	6	11	11	3	37
	M/M	6.60M/M	2.87M/M	7.81M/M	6.64M/M	1.94M/M	25.86M/M

Note: Japanese fiscal year when the experts were dispatched

*Others are experts of Campaign for public awareness

(2) Provision of equipment (FY2002~2005 / Unit: Thousand Pesos)

2002	2003	2004	2005	2006	2007	Total
22,219	6,216	17,032	12,410			57,876

(3) Counterpart Training in Japan (as of October 2006)

2002	2003	2004	2005	2006	2007	Total
4	8	6	7	7		32

(4). Construction for Diving Training facility

Total cost : 38,240,000 Pesos

5.2 Inputs from Philippine's side

(1) C/Ps

The personnel assignment of coordinators and C/Ps are shown below. (As of October 2006)

	2002	2003	2004	2005	2006
Director	1	2	1	1	1
Manager	2	7	5	4	1
SAR	1	3	3	2	4
MARLEN	1	3	1	3	3
MARPOL&OSC	1	3	1	2	4
ATON	1	2	2	3	4
Education & Training	2	4	2	2	1
Others	2	5	4	7	8

Total	11	29	19	24	26
-------	----	----	----	----	----

(2) Building and facilities

Land for construction of Diving Training facility

(3) Local costs

1. General cost

The general cost of R/D, actual expenditure and are shown below. (As of October 2006)

(Unit Thousand Pesos)

	2002	2003	2004	2005	2006	2007	Total
R/D	3,305	3,821	4,195	4,490	4,829	4,011	24,651
Actual	4,595	6,482	8,048	8,230	2,144*		

*As of September 2006

6. Implementation Process

The Project has been implemented based on the R/D, PDM1, PDM2 and PDM3.

(1) Revision of PDM

History of PDM revision is as follows.

PDM1 was revised to PDM2 upon Administrative assistance mission in July 2004.

PDM2 was revised to PDM3 upon mid-term evaluation in July 2005 mainly to initiate full time faculty system and enhance basic training course.

(2) Approach to training PCG personnel

In PDM, approach to the project purpose "PCG personnel with knowledge and skills to perform their functions are developed" is supposed as follows:

Approach supposed in PDM

1. Grasp the concrete needs for training through the analysis of the field activities and existing training courses.
2. Improve training courses by development or revision of curriculums, syllabuses, manuals, handbooks and instructional materials.
3. Train PCG personnel by improved training courses.

On the other hand, approach adopted in the project is as follows:

Approach adopted in the project

- 1'. Grasp the concrete needs for training through the analysis of the field activities.
- 2'. Train PCG personnel by project seminars and trainings.
- 3'. Improve training courses by integrating with project seminars and trainings.

This modification of the approach is decided by JICA experts considering difficulty to have clear perception of the training courses of PCG without conducting seminars and trainings.

Handwritten signature

Handwritten mark

(3) Achievement of the Activities (Provided and informed by the Project Team, October 2006)

Achievements of the Project for Terminal Evaluation (Along PDM3),	
Output 1 : Education and training management system of CGETC is enhanced	Current Status on the Activities in PDM 3 Legend: △ : to be achieved by the Project ends • : Completed
<u>1-1 To enhance OJT/Unit training system in individual units</u>	<ul style="list-style-type: none"> • SAR: Three seminars that were aimed at enhancing the capability of SAR planning for especially Action Center personnel were held and the joint SAR exercise with the JCG was conducted. The purpose was almost achieved at 90%. The remaining is to establish the whole PCG system that makes the regular and continuous conduct of the unit training enable. It will be recommended by the end of the project. • ATON: Two seminars at HANC and one mobile seminar at district were held in the project. The seminars were aimed at enhancing teaching capability of HANC to conduct unit training as well as strengthening the knowledge of individual personnel. HANC has acquired the sufficient capability therefore the seminar has achieved 90% of its purpose. The remaining is to establish the whole PCG system that makes the regular and continuous conduct of the unit training enable. It will be recommended by the end of the project. • MARLEN: One of the purposes of completed four MARLEN seminars, two shipboard trainings(in Manila and Palawan) and many times of RJB Trainings(including Boarding Training using RIB) was enhancement of OJT/Unit training system by creating planners and instructors of OJT/Unit trainings in various units. As the result, PCG has acquired the sufficient capability therefore 90% of its purpose has been achieved. The remaining is to establish the whole PCG system that makes the regular and continuous conduct of the unit training enable. It will be recommended by the end of the project. • MARPOL: OJT/Unit training concerning about MARPOL conducted by MEPCOM trainer completely to use teaching materials made by Project, e.g. Marine Pollution Inspector's Training Seminar (29 Nov-01 Dec 05). Completed
<u>1-2-1 To initiate creation of full time faculty system</u>	<ul style="list-style-type: none"> • September and Nov.2005, JICA Expert suggested several ideas on the faculty system on the Steering Committee, which is based on their research about PMMA (Philippine Merchant Marine Academy) and PNPA(Philippine National Police Academy). Moreover, PCG established a working group and has formulated the first draft of a proposal of "PCG Faculty Corps" January, 2006. Then the next phase of the research has been conducted using a contracted local consultant and terminated in June 2006. Consultant have been studying current situation of PCG such as Curriculum, Instructor to assign CGETC for 6 months, and Consultant made the Proposal of appropriate Faculty System for PCG. Project considers adopting this Proposal for PCG Faculty System. The study for establishing the full-time faculty system is still to be continued by short-term action plan is recommended. Completed
<u>1-2-2 To study other organizations' faculty system</u>	<ul style="list-style-type: none"> • To study faculty system below, Philippine Military Academy and Philippine Merchant Marine Academy on Oct 2005, Philippine National Police Academy and National Maritime Polytechnic on April 2006, Japan Coast Guard Academy on March 2006. Completed
<u>1-2-3 To identify necessary fields of study requiring full-time faculty</u>	<ul style="list-style-type: none"> • Through the discussion of Steering Committee, Necessary fields of study requiring full-time faculty are MARLEN, MARSAR, ATON, and MAREP. Completed
<u>1-2-4 To select candidates to be assigned as faculty members</u>	<p>△ Through the discussion of Steering Committee, Criteria of the Candidates to be assigned as faculty members are below. :</p> <ol style="list-style-type: none"> a. Graduates of BS degree on courses related to the field of specialty: b. Masters and Doctorate degree holder on related field: c. Those that have undergone extensive local and foreign training. : d. Trainer who can conduct the courses in CGETC using materials improved by the Project. : e. Ship Navigators/Engineers. : <p>It will be completed</p>
<u>1-3-1 To review and improve the evaluation/feedback system on education</u>	<ul style="list-style-type: none"> • Some actions such as test, questionnaire, and critiques to improve the system in the each field of the project have been taken. The achievement of the action regarding the

and training courses	purpose of the project is about 70% at the present. The result of the actions is needed to reflect to the each course and it will be completed by the end of the project.
Output 2: Training courses and seminars (SAR, ATON, MARPOL & OSC, MARLEN) of PCG including other government and private organization concerned are improved.	Current Status on the Activities in PDM 3
2-1-1 To set-up and run the curriculum development committee	△ CGETC created three (3) technical working groups to review and/or develop course curriculum for Preparatory and Advance Functional Courses in MARSAD, MARSEC and MAREP. The project will provide necessary technical assistance for the technical working groups until the end of Project.
2-1-2 To define the concrete needs for education and training in the fields of SAR, ATON, MARPOL & OSC, MARLEN 1) To determine the operating system and capability level of PCG 2) To determine the required expertise level of PCG and its personnel 3) To determine trainee's potentials/expertise level of PCG incumbent/new recruited personnel 4) To determine the concrete needs for education and training content /level/number of trainees	<ul style="list-style-type: none"> • Based on the observation by the experts and the counterparts, the needs have been assessed and the needs have been discussed and decided at the steering committee. After that the CGETC Master Plan was completed in 2005. Also, through the results of the evaluation and feedback of seminars and trainings, the needs have been updated. • MARPOL: Until now items below are checked by JICA expert to determine the required expertise level of PCG personnel. <ul style="list-style-type: none"> a. To operate and maintain the Oil Spill and Analysis equipment on normal level. b. To observe action as lecturer on the Seminar by JICA Expert. c. To make exercise plan and conduct the exercise. Completed.
2-1-3 To examine IMO model course and discuss on the possibility of its adaptation to CGETC	<ul style="list-style-type: none"> • CGETC 11 Persons sent to National Maritime Polytechnic to take Instructor Course and Assessor's Course. And all curriculum formats is updated to the standards set for Maritime Schools by the Maritime Training Council. This curriculum design and test preparations are taught in the Instructor's Training Course (IMO 6.09) and the assessor's Course (IMO 3.12). Completed
2-1-4 To update or develop the curriculum and syllabus of courses	<p>△ SAR/ATON: The updated of the curriculum of the MARSAD (Maritime Safety Administration Course) is now being planned. It will be completed by the end of the project.</p> <p>△ MARLEN: The updated of the curriculum of the MARSEC (Maritime Security Course) is now being planned. It will be completed by the end of the project.</p> <p>△ Education and Training: The updated of the curriculum of CGMC and CGOC is now been planned. It will be completed by the end of the project.</p> <p>△ MARPOL: On 2004 the curriculum and syllabus about MARPOL have been developing in Subject in CGOC, CGMC, and MAREPC. On 2005 the curriculum and syllabus about MARPOL have been revising in Subject in CGOC, CGMC, and MAREPC. On 2006 November completed the curriculum and syllabus about Table Top Exercise development. It will be completed by the end of the project.</p>
2-1-5 To develop textbooks and training aid materials of courses	<p>△ SAR/ATON: Two textbooks and 10 materials were developed under the project and it will be incorporated into the relevant courses such as MARSAD, CGOC, CGMC to develop new textbooks and materials.</p> <ul style="list-style-type: none"> • MARLEN: Three textbooks were completed. • Education and Training: One textbook of RIB Operation was developed. • MARPOL: On 2004 the teaching material about MARPOL developed. On 2005 the Oil Spilled Analysis Manual developed. Completed
2-1-6 To conduct instructor technical training for the counterparts and potential instructors	<p>△ SAR/ATON: For the counterpart and potential instructors, the counterpart trainings in Japan were conducted and technical trainings were done through the project seminars. Additional technical training will be conducted at the planned activity by the end of the project.</p> <ul style="list-style-type: none"> • MARLEN: Instructor technical trainings were conducted through MARLEN seminars, Unit Trainings, RIB Trainings and Counterpart trainings in Japan. As a result, instructors

	<p>in CGETC and various units were created. All activities have been completed.</p> <p>△ Education and Training: In the field of Arresting Techniques and RIB Handling, instructor technical trainings were conducted through MARLEN seminars, Unit Trainings, RIB Trainings. As a result, instructors in CGETC and various units were created. Therefore, the achievement of the activities is about 90% of the purpose and it will be completed by the end of the project.</p> <ul style="list-style-type: none"> • MARPOL: Instructor technical trainings were conducted through MAREP/OSC and Heavy Metal, Oil Analysis seminars, Unit Trainings. Completed
2-1-7 To conduct the education and training courses for students at CGETC	<ul style="list-style-type: none"> • The counterparts and other PCG personnel who have been educated and trained by the project have conducted various courses at CGETC. The JICA experts also gave lectures at the courses.
2-1-8 To teach operation and maintenance equipment procure	<p>△ Several seminars were conducted and some textbooks, manuals were developed to teach operation and maintenance of the equipment and facility such as RIB, DTF. All of the equipments have been operated and maintained by PCG personnel properly and regularly. It is necessary to keep records for the operation and maintenance of the equipment. It will be completed by the end of the project.</p> <ul style="list-style-type: none"> • MARPOL: MEPCOM personnel have the teaching skill to instruct about operation of oil spilled equipments. And Log Books about Analysis Equipment are furnished in MEPCOM Laboratory. Completed
2-2-1 To assess the needs for seminars and to develop materials for seminars	<ul style="list-style-type: none"> • Based on the observation by the experts and the counterparts, the needs have been assessed and the matters have been discussed at the steering committee. After that, 48 materials for the seminar were already developed. In all the fields of the project, the activity is completed.
2-2-2 To <u>invite and involve</u> other government and private organizations concerned <u>in</u> the seminars to be conducted by CGETC	<ul style="list-style-type: none"> • MARLEN: Invited government organizations (9 organizations): Philippine Drug Enforcement Agency, Philippine National Bureau of Investigation, Philippine National Police, Indian Coast Guard, Indonesian Marine Police, Malaysian Marine Police, Malaysian Maritime Enforcement Agency, Thai Marine Police and Vietnam Marine Police. Invited a non governmental organization (1 organization): PCG Auxiliary. • SAR/ATON: Other government organizations such as DOTC and private organizations such as PCGA, Shipping Companies were invited to the seminars. • MARPOL: Since 2003 on MAREP/OSC and Oil Analysis Seminar, participants from Oil and Shipping Company, NGO, LGU, PCGA were involved. On the planning of the final MAREP/OSC seminar, they will still be invited, until the end of the Project. Completed
2-2-3 To conduct seminars	<ul style="list-style-type: none"> • SAR: All planned three seminars were held and the plan was completed. • ATON: All planned three seminars were held and the plan was completed. • MARLEN: All planned four seminars were held and the plan was completed. • MARPOL: Since 2003 MAREP/OSC and Oil Analysis Seminar was held 8 times, and until the end of Project, Seminar will be held 2 more times. Completed
2-2-4 To draw up a plan of public awareness activities for companies and citizens in the fields of SAR, ATON, MARPOL & OSC and MARLEN	<ul style="list-style-type: none"> • All Fields: To publish the project news paper and to set up the project home page were planned to introduce the project activity to the public people. • SAR/ATON: Before holding the seminars, a plan of inviting media was made to raise public awareness of the project and PCG itself. • MARLEN: Before holding the seminars, a plan of inviting media was made to raise public awareness of the project and PCG itself. • MARPOL: Until now the public awareness activities on Marine Pollution Prevention and Oil

	<p>Spill Accident were drawn up and toward the end of Project these activities are under planning. Completed</p>
<p>2-2-5 To conduct public awareness activities for companies and citizens in the fields of SAR, ATON, MARPOL & OSC and MARLEN</p>	<ul style="list-style-type: none"> • All Fields: The project newspaper is published monthly and two assemble edition were published. In addition to the news paper, two annual reports were also published. The project homepage was set up and has been updated regularly. • SAR: Media was invited to observe the SAR seminar and exercise. Only one newspaper carried the article. The result of the activity was not high though the planed activity was completed. • ATON: Media was invited to observe the ATON seminar. No newspaper carried the article. The result was low though the planed activity was completed. • MARLEN: Most of major Medias in the Philippines and some Japanse Medias covered MARLEN seminars and they reported them by TV, internet and news papers. And, in 2005 the Anti-Piracy exercise and Anti-Terrorism exercise for Media were conducted. The results of the activities were remarkably high and beyond our expectations. One of the reasons was increasing interests of the security by the nations in the Philippines, also Japan. <p>△MARPOL: On 2004 06 Oct A Public Awareness Promotion Strategy Workshop was held at the City Garden Hotel. On 2006 the public awareness activities on MAREP were held at four elementary schools in Bohol and on MAREP to prevent Oil Spill Accident in Manila. Until the end of Project, to hold the further public awareness activities are under planning. It will be completed by the end of the project.</p>
<p>Output 3: Basic training courses including OJT/unit training are enhanced</p>	<p>Current Status on the Activities in PDM 3</p>
<p><u>3-1 To review and enhance the standard level of basic knowledge and skills for individual personnel and trainees</u></p>	<ul style="list-style-type: none"> • Observation tours for the PCG units such as ships, stations, etc. were made to identify the basic knowledge and skill of individual personnel and the matters were discussed at the steering committee based on the observation for the review of the level.
<p><u>3-2 To identify and improve (if necessary) the facilities required for the conduct of basic training</u></p>	<ul style="list-style-type: none"> • Some observation tours to PMA, PMMA and NMP were made to identify the facility. Although the improvement of the CGETC facility is necessary, the utilization of the facility of other seafarer education organizations have been made by the agreement such as MOU.
<p><u>3-3 To develop and/or update the curriculum and syllabus of basic courses</u></p>	<p>△ The curriculum and syllabus of the planned unit training and RIB operation course will be used to update the curriculum and syllabus of the basic training courses such as CGOC, CGMC and it will be completed by the end of the project.</p>
<p><u>3-4 To develop manuals, handbooks and training aid materials for basic courses</u></p>	<p>△ Some manuals, handbooks, material were developed at the two shipboard trainings in Manila and Palawan in 2005 and RIB trainings from 2003. These manuals will be used to develop the manuals in the basic courses and it will be completed by the end of the project.</p>
<p><u>3-5 To conduct the basic education and training courses with optimum utilization of OJT/unit training</u></p>	<p>△ The two shipboard trainings in Manila and Palawan in 2005 and the shipboard training in the CGOC in 2006, and RIB trainings from 2003 were conducted already. The unit training on shipboard operation and development of RIB operation course in CGETC is now being planned and will be conducted by the end of the project.</p>
<p><u>3-6 To teach operation and maintenance of equipment procured</u></p>	<p>△ The operation and maintenance of RIB was taught in the RIB operation training. The operation and maintenance of the equipment of the planned unit training will be taught by the end of the project. It will be completed by the end of the project.</p>

(4) Milestones

	SAR	MARPOL/ OSC	MARLEN	ATON
	<p>To fix the direction of the project, following activities were implemented.</p> <p>1) Visited and exchanged opinions with PCG regional headquarter, Stations, district office, PMA, PMMA, etc.</p> <p>2) Dispatched counterparts to counterpart training in Japan, observed the JCG's organization and missions.</p> <p>3) Shared the common understanding on the importance of enhancing the coordination capability of PCG to promote collaboration with PCGA (Coast Guard Auxiliary), other public authorities, local government.</p>			
Year 1 (2002.7-20 03.6)	1) Conducted Training on Under Water SAR operation			
	<p>Changes on policy, project implementation, etc</p>			
	<p>Obstacles encountered/Counter measures taken</p> <p>Obstacle -Lack of basic knowledge of PCG personnel especially knowledge and skills of the sea men. Measures-Pursued the appropriate process of technology transfer, and started from short-term seminar, focused on the education of minimum level of technology in each field.</p>			
Year 2 (2003.7-20 04.6)	<p>1) Strengthened local training in each field, later qualified as OJT/Unit training in Mid-term evaluation</p> <p>2) Conducted specialized course of each field, based upon the contents of short-term seminar in Year 1</p> <p>3) 4 officers have participated "KOJIMA shipboard Training", practice of Japan Coast Guard Academy (Manila-Pusan(Korea)-Kure (Japan))</p> <p>4) Conducted Administrative assistance mission</p>			

	SAR	MARPOL/OSC	MARLEN	ATON
	<p>1) Special diving drill at Boracay, by instructor trained through counterpart training in Japan</p> <p>2) Developed the SAR Textbook and disseminated the comprehensive knowledge of SAR activities.</p>	<p>Conducted MARPOL/OSC seminar in Manila, Subic, and Cebu, involving Oil and Shipping Company and LGU's, NGO's.</p>	<p>1) Conducted Seminar of International Maritime Law, global situation of safety navigation by the project</p> <p>2) Conducted MARLEN Training and Seminar by the project</p> <p>3) Conducted Seminar on Drug Identification and Analysis by the Project</p> <p>4) Conducted CP Training in Japan by the Project</p>	<p>1) Seminar of GPS data processing system</p>
Changes on policy, project implementation, etc	<p>Conducted Administrative assistance mission to re-organize the project implementation plan and modified PDM to PDM version 2. (2004.6)</p>			
Obstacles encountered/Counter measures taken	<p>1) Obstacle - Realized the necessity to enhance PCG's mind, motivating them to develop detailed and concrete plan of education and training system.</p> <p>Measures - Conducted workshop, lectures to disseminate the necessity of creating training system</p> <p>2) Underestimating the importance of PCM among project stakeholders</p> <p>- Demonstrated evaluation workshop to disseminate the importance of the evaluation, and deepened the understanding on the problems of the project</p>			
Milestone	<p>1) Considerate the continuous improvement after the end of the project</p> <p>2) Invited India, Thai, Malaysia, Indonesia as observer, exchanging opinions and Strengthened their collaboration</p> <p>3) 4 officers have participated "KOJIMA shipboard Training", practice of Japan Coast Guard Academy (Singapore-Kure (Japan))</p> <p>4) Conducted Mid-term evaluation (2005.7)</p>			
Year 3 (2004.7-2005.6)				

	SAR	MARPOL/OSC	MARLEN	ATON
	<p>1) OJT/Unit training of Special diving drill at Puerto Pimessa</p> <p>2) Conducted Seminar on Table Top Exercise and Developed Teaching Materials</p>	<p>1) MARPOL/O SC seminar in Iloilo, Bacolod, involving other private Oil and Shipping Company and LGU's, NGO's public institutions conducted by Project personnel.</p> <p>2) Developed seminar materials of MARPOL/O SC</p> <p>3) Rehabilitation and enforcement of the MEPCOM laboratory.</p> <p>4) Conducted Oil and Heavy Metal Analysis OJT Seminar by Project.</p> <p>5) Discussed measures to enhance citizen's</p>	<p>1) Conducted 2nd International MARLEN Training and Seminar by the Project</p> <p>2) Conducted RIB Training by the Project</p> <p>3) Conducted CP Training in Japan by the project</p>	<p>Test operation/Technical transfer of GPS data processing system (at navigation between Manila-Davao)</p>

	SAR	MARPOL/OSC	MARLEN	ATON
		consciousness on MARPOL by conducting Work-shop of Public Awareness Activities.		
Changes on policy, project implementation, etc	<p>Recommendation of Mid-term evaluation</p> <p>1) Creation of full-time faculty</p> <p>2) Reinforcement of OJT/Unit training</p> <p>3) Reinforcement of basic skill training and education</p>			
Obstacles encountered/Counter measures taken	<p>Obstacles - Lack of basic skills of patrol vessel operation (due to lack of the training system and practice)</p> <p>Measures - OJT/Unit training of patrol vessel operation, combined with SAR, MARLEN practice</p>			
				<p>Obstacle</p> <ul style="list-style-type: none"> - Confirmed the necessity to modify the current electrical navigation map <p>Measures</p> <ul style="list-style-type: none"> - Invited short-term expert to transfer the navigation technology - Requested the procurement of navigation equipments
Milestone	1) 4 officers have participated "KOJIMA shipboard Training", practice of Japan Coast Guard Academy (Singapore-Kure (Japan))			
Year 4 (2005.7-20)				

		SAR	MARPOL/OSC	MARLEN	ATON
06.6)		<ol style="list-style-type: none"> 1) Conducted Seminar on SAR Planning 2) Conducted Joint SAR Exercise with JCG 	<ol style="list-style-type: none"> 1) MARPOL/O SC seminar in Batangas involving other private Oil and Shipping Company and LGU's, NGO's conducted by Project. 2) Revised seminar materials of MARPOL/O SC 3) Conducted Oil and Heavy Metal including Testing Drug Analysis OJT Seminar by Project. 5) Conducted Public Awareness Activities to enhance citizen's consciousness on MARPOL by Project. 	<ol style="list-style-type: none"> 1) Conducted Shipboard Training aboard AE891 by the Project 2) Conducted Shipboard Training aboard BRP AU3501 by the Project 3) Conducted RIB Training by the Project 4) Conducted Boarding Training by the Project 5) Conducted 3rd International MARLEN Seminar by the Project 6) Conducted Anti-Piracy Exercise 7) Conducted CP Training in Japan by the Project 	<ol style="list-style-type: none"> 1) Conducted Seminar on Buoy Maintenance

	SAR	MARPOL/ OSC	MARLEN	ATON
<p>Changes on policy, project implementation, etc</p>		<p>Suggested to require Power Supply, Water and establish new Assignment system of Chemist Officer for sustainability of MEPCOM Laboratory.</p>	<p>Focusing the concentration of the seminars and trainings on trainings instructors to enhance sustainability and efficiency</p>	
<p>Obstacles encountered/Counter measures taken</p>	<p>Obstacles - Frequent change of Counterpart Measures - Starting over teaching and education of the expert</p>	<p>Shortage of Budget and Human resources. However MEPCOM require the budget continuously and recently 6 recruits who took course about biology or chemistry in University assigned MEPCOM Laboratory.</p>	<p>Obstacles - Lack of the educational system Measures - Focusing the concentration of the seminars and trainings on training instructors to enhance the educational system for better sustainability and efficiency</p>	<p>Obstacles - Frequent change of Counterpart Measures - Starting over teaching and education of the expert</p>

<p>Year 5 (2006.7-2007.6)</p>	<p>Milestone</p>	<p>1) Planning Seminar on Advanced Under Water SAR Operation 2) Planning Seminar on Shipboard Operation Training</p>	<p>1) MARPOL/O SC seminar including Table-Top Exercise in Manila involving other private Oil and Shipping Company and LGU's, NGO's conducted by Project.(under planning)</p>	<p>1) Conducted 4th MARLEN Seminar by the Project 2) Conducted RIB Training by the Project 3) Conducted Boarding Training by the Project</p>	<p>1) Conducted ATON Mobile Seminar in Iloilo 2) Planning Seminar in MARSAD Course</p>
-----------------------------------	-------------------------	--	--	--	--

P *MPC*

		<p>2) Conducted Oil and Heavy Metal including Testing Drug Analysis OJT Seminar by MEPCOM Personnel (under planning)</p> <p>3) Conducted Public Awareness Activities to enhance citizen's consciousness on MARPOL by PCCG (under planning)</p>		
			<p>Obstacles</p> <ul style="list-style-type: none"> - Occurring major accident Measures - Cancellation of Second Joint Exercise 	<p>Changes on policy, project implementation, etc</p> <p>Obstacles encountered/Counter measures taken</p>

[Handwritten signature]

7. Project Achievements

(1) Overall Goal

Narrative Summary	Indicator	Summary of Achievement				
Overall Goal Performance capability of PCG is improved.	1. Number of PCG SAR mission vis-à-vis SAR incidents reported improves from 2007 to 2011 in comparison with that of 2002 to 2006.	1. NO of SAR Incidents since 2001				
		Status of SAR incidents				
			NO of SAR Incidents (A)	NO of PCG SAR mission (B)	(B)/(A)	
		2001	168	88	52%	
		2002	152	65	43%	
		2003	255	63	25%	
		2004	227	84	37%	
		2005	122	92	75%	
		2006*	123	75	61%	
		Total	1,047	467	49%	
		*As of September Due to the reduction of the disbursed budget to almost all the ministries in the republic in 2003 & 2004, combustibles for PCG ships for the activities was reduced as well. In comparison with (B)/(A) in the year from 2001 to 2003, those of 2005 & 2006 are remarkably increased.				
		2. Status of SAR casualties				
		Year	Total Casualties	Rescued by PCG/ Rescued by others	Dead / Missing	
		2001*	2,102	1,969(94%)	133(6%)	
		2002	1,397	1,178(84%)	219(16%)	
2003	3,209	2,903(90%)	306(10%)			
2004	5,153	4,893(95%)	260(5%)			
2005	2,346	2,301(98%)	45(2%)			
2006	3,826	3,672(96%)	154(4%)			
Total	18,033	16,916	1,117			
*Year before the project / **As of September Source; Maritime Incident report, PCG Coast Guard Action Center						

	<p>2. Number of PCG MARPOL mission improves from 2007 to 2011 in comparison with that of 2002 to 2006.</p>	<p>1.NO of PCG MARPOL/OSC mission</p> <table border="1"> <thead> <tr> <th colspan="3">Status of MARPOL/OSC incidents</th> </tr> <tr> <th></th> <th>NO of PCG MARPOL for all the mission****</th> <th>NO of PCG OSC mission for the oil spilled accident</th> </tr> </thead> <tbody> <tr> <td>2001*</td> <td>1,763</td> <td>13</td> </tr> <tr> <td>2002</td> <td>1,943</td> <td>21</td> </tr> <tr> <td>2003</td> <td>6,743</td> <td>14</td> </tr> <tr> <td>2004</td> <td>8,209</td> <td>14</td> </tr> <tr> <td>2005</td> <td>12,913</td> <td>24</td> </tr> <tr> <td>2006**</td> <td>8,934</td> <td>1***</td> </tr> <tr> <td>Total</td> <td>45,505</td> <td>87</td> </tr> </tbody> </table> <p>* Year before the project ** As of September Source: PCG Statistics, Coast Guard Action Center ***Guimaras Island Oil Spilled Accident **** Including inspection, monitoring and attend to accident and etc. NO of PCG MARPOL for all the missions has been increasing remarkably.</p>	Status of MARPOL/OSC incidents				NO of PCG MARPOL for all the mission****	NO of PCG OSC mission for the oil spilled accident	2001*	1,763	13	2002	1,943	21	2003	6,743	14	2004	8,209	14	2005	12,913	24	2006**	8,934	1***	Total	45,505	87	
Status of MARPOL/OSC incidents																														
	NO of PCG MARPOL for all the mission****	NO of PCG OSC mission for the oil spilled accident																												
2001*	1,763	13																												
2002	1,943	21																												
2003	6,743	14																												
2004	8,209	14																												
2005	12,913	24																												
2006**	8,934	1***																												
Total	45,505	87																												
	<p>3. Number of PCG MARLEN mission improves from 2007 to 2011 in comparison with that of 2002 to 2006.</p>	<p>1.Breakdown of MARLEN mission</p> <table border="1"> <thead> <tr> <th></th> <th>Total NO of mission (A)</th> <th>NO of Apprehended (B)</th> <th>(B)/(A)</th> </tr> </thead> <tbody> <tr> <td>2001*</td> <td>207</td> <td>117</td> <td>0.57</td> </tr> <tr> <td>2002</td> <td>517</td> <td>385</td> <td>0.74</td> </tr> <tr> <td>2003</td> <td>467</td> <td>226</td> <td>0.48</td> </tr> <tr> <td>2004</td> <td>168</td> <td>215</td> <td>1.28</td> </tr> <tr> <td>2005</td> <td>259</td> <td>501</td> <td>1.93</td> </tr> <tr> <td>2006**</td> <td>107</td> <td>209</td> <td>1.95</td> </tr> </tbody> </table> <p>* Year before the project / Source PCG ** As of July (B)/(A) has remarkably increased. The major reason of this fact is supposed by the JICA Experts that effect of the projects promotes positive attitude of the PCG personnel. A specialist of the Evaluation Team implies that the capacity to solve organizational crime has been improved, then NO of Apprehended per NO of mission has been increased.</p>		Total NO of mission (A)	NO of Apprehended (B)	(B)/(A)	2001*	207	117	0.57	2002	517	385	0.74	2003	467	226	0.48	2004	168	215	1.28	2005	259	501	1.93	2006**	107	209	1.95
	Total NO of mission (A)	NO of Apprehended (B)	(B)/(A)																											
2001*	207	117	0.57																											
2002	517	385	0.74																											
2003	467	226	0.48																											
2004	168	215	1.28																											
2005	259	501	1.93																											
2006**	107	209	1.95																											
	<p>4. Days of patrol vessel operation increase from 2007 to 2011 in comparison with that of 2002 to 2006.</p>	<p>Days of patrol vessel operation 1.56 & 35 METERS OF OPERATION</p> <table border="1"> <thead> <tr> <th></th> <th>2001</th> <th>2002</th> <th>2003</th> <th>2004</th> <th>2005</th> <th>2006</th> </tr> </thead> <tbody> <tr> <td>Hours</td> <td>-</td> <td>192</td> <td>1392</td> <td>1680</td> <td>1848</td> <td>2256</td> </tr> <tr> <td>NO of patrol vessels</td> <td>2</td> <td>2</td> <td>7</td> <td>8</td> <td>8</td> <td>8</td> </tr> <tr> <td>Hours/ Ships</td> <td>-</td> <td>96</td> <td>199</td> <td>210</td> <td>231</td> <td>282</td> </tr> </tbody> </table> <p>"Hours/ Ships" has been increased remarkably. The mayor reason of this fact is supposed by the JICA Experts that effect of the projects promotes positive attitude of the PCG coastguard personnel.</p>		2001	2002	2003	2004	2005	2006	Hours	-	192	1392	1680	1848	2256	NO of patrol vessels	2	2	7	8	8	8	Hours/ Ships	-	96	199	210	231	282
	2001	2002	2003	2004	2005	2006																								
Hours	-	192	1392	1680	1848	2256																								
NO of patrol vessels	2	2	7	8	8	8																								
Hours/ Ships	-	96	199	210	231	282																								
<p>Outlook for fulfillment of the Important Assumptions in the level of the Project Purpose</p>																														
<p>The operational conditions of PCG sea & air assets do not deteriorate compared to the situation of the year 2001</p>	<p>NO of PCG sea & air assets as of 2001/2006</p> <table border="1"> <thead> <tr> <th>2001</th> <th>Total NO</th> <th>Operational</th> <th>Not in use</th> </tr> </thead> <tbody> <tr> <td>Vessels</td> <td>7</td> <td>4</td> <td>3</td> </tr> <tr> <td>Small craft</td> <td>38</td> <td>20</td> <td>18</td> </tr> <tr> <td>Water craft</td> <td>41</td> <td>30</td> <td>11</td> </tr> <tr> <td>Air craft</td> <td>4</td> <td>2</td> <td>2</td> </tr> </tbody> </table>		2001	Total NO	Operational	Not in use	Vessels	7	4	3	Small craft	38	20	18	Water craft	41	30	11	Air craft	4	2	2								
2001	Total NO	Operational	Not in use																											
Vessels	7	4	3																											
Small craft	38	20	18																											
Water craft	41	30	11																											
Air craft	4	2	2																											

	2006	Total NO	Operational	Not in use
	Vessels	13	10	3
	Small craft	31	20	11
	Water craft	27	13	14
	Air craft	5	4	1
	Source: PCG			
【Appearance of Overall Goal】	Though the Project is underway to the termination for following 8 months, all the indicators on the Overall goals have been increasing. This fact is estimated as a reflection of the impact of the Project, promotion of positive attitude of the PCG personnel to tackle their task.			

(2) Project Purpose

Narrative Summary	Indicators	Summary of Achievement								
		Table: NO of personnel qualified seminars conducted by the project								
		2001	2002	2003	2004	2005	2006*	Plan**	Total	
Project Purpose PCG personnel with knowledge and skills to perform their functions are developed.	1. 2,050 PCG personnel are trained to take appropriate actions in SAR, ATON, MARPOL & OSC and MARLEN by the year 2007.	TOTAL		-4	318	648	448	361	275	2,054
		SAR	-	-	35	199	101	72	20	427
		MARPOL/OSC	-	-	99	93	56	42	110	400
		MARLEN	-	-	67	229	148	203	70	717
		ATON	-	-	110	95	138	44	30	417
		E&T	-	4	7	32	5	-	45	93
		*2006: JUN to SEP **by the Project ends								

Handwritten marks: a stylized signature or initials and a scribble.

2. 450 personnel from other governmental and private organization are invited and involved in the trainings for SAR, ATON, MARPOL&OSC and MARLEN by the year 2007

NO of organizations participated in the program

		2003	2004	2005	2006
Total	Public	2	5	6	11
	Private	6	4	4	1
SAR	Public	-	1	1	-
	Private	-	1	1	-
MARPOL/OSC	Public	1	1	4	2
	Private	3	3	3	1
MARLEN	Public	-	3	-	9*
	Private	-	-	-	-
ATON	Public	1	-	1	-
	Private	3	-	-	-

NO of personnel from other governmental and private organization participated on the Seminar

	2001	2002	2003	2004	2005	2006	Plan	Total
Total	-	-	111	116	106	56	-	454
SAR	-	-	-	11	8	-	-	19
MARPOL/OSC	-	-	39	82	47	32	65	200
MARLEN	-	-	-	23	13	24*	-	60
ATON	-	-	72	-	38	-	-	110

Milestone/Example:

- 3rd and 4th MARLEN Seminar (Jan –Feb/Aug-Sep 2006) invited various organizations such as: Philippine Drug Enforcement Agency, Philippine National Police, Philippine National Bureau of Investigation, Indian Coast Guard, Indonesia Marine Police, Malaysia Marine Police, Malaysian Maritime Enforcement Agency, Thai Marine Police and Vietnam Marine Police.

- A Public Awareness Promotion Strategy Workshop was held (Oct 2004)

3. Training of a certain number of personnel to qualify as trainers of SAR, ATON, MARPOL&OSC and MARLEN

In 2006, number of trainers reached 56 (74), showing remarkable improvement before the start of the project.

The program improved by the project is incorporated into the curriculum of the PCG mandatory courses and one of the requirements to be trainer.

Number of qualified* trainer

		2001	2002	2003	2004	2005	2006
SAR	Annual	0	1	2	2	1	3
	Cumulative	0	1	3	5	6	9
MARPOL / OSC	Annual	0	0	5	4	3	(6)
	Cumulative	0	0	5	9	12	(18)
MARLEN	Annual	0	0	0	20	0	20
	Cumulative	0	0	0	20	20	40
ATON	Annual	0	1	0	2	3	1
	Cumulative	0	1	1	3	6	7
Total	Annual	0	2	7	28	7	24 (6)
	Cumulative	0	2	9	37	44	56 (74)

*()=Planned number

Those who satisfy following may qualify as trainer

- a. Graduates of BS degree on courses related to the field of specialty
- b. Master degree holder on related field

c. Those that have undergone extensive local and foreign training

d. Trainers approved by the JICA Experts who can conduct the courses in CGETC improved by the Project in the aspects of curriculum, syllabus materials, lectures, practices or OJTs.

【General Achievement of Project Purpose】	
2,054 personnel in the PCG will eventually be trained up and qualified through the Seminars by the Project. 454 personnel from other governmental and private organizations will participate to the seminars. Moreover, 74 qualified trainers in the PCG will be brought up through the activities on the Project. Integration of the elements of developed educational system by the Project and review and improvement of evaluation/feedback system for the curriculum is recognized as remaining tasks for completion of the Project purpose. Thus, the achievement of the Project purpose is underway by the end of the Project.	
Fulfillment of the Important Assumptions in the Level of the Outputs	
Training policies of PCG personnel do not change dramatically as planned for the next five years.	PCG has been focalizing to the enhancement of the human resources, which has been in succession by the present. Moreover, the actual training methodology of PCG using its proper human resources is not estimated to be changed.

(3) Outputs

Narrative Summary	Indicator	Summary of Achievement																																										
1. Education and training management system of PCG is enhanced	1-1. Initiation of full time faculty system 1-2. Increase in number of OJT/unit trainings conducted	<p>September and Nov.2005, JICA Expert suggested several ideas on the faculty system on the Steering Committee, which is based on their research about PMMA (Philippine Merchant Marine Academy) and PNPA(Philippine National Police Academy). Then PCG established a working group and has formulated the first draft of a proposal of "PCG Faculty Corps" January, 2006.</p> <p>A research has been conducted using a contracted local consultant and terminated in June 2006. The consultant analyzed the current status of the PCG's system formulated a report, "Study for the Improvement of Faculty System of the Educational and Training Command of the PCG".</p> <p>At Workshop on the terminal evaluation study, it was clarified and recognized by the Project team that the study for establishing the full-time faculty system is still to be continued and the system must be initiated before the Project ends.</p> <p>Moreover, at the Workshop, the following subjects were recognized as an important element on the procedure for the initiation;</p> <ol style="list-style-type: none"> 1) Establishing an integrated model of the full time faculty system. 2) Necessity of an official circular of approval of the system by the Commandant. <p>Compared to 2001-2, before the start of the project, number of OJT/Unit training** improved greatly, especially those of MARPOL/OSC and MARLEN are obvious.</p> <p>Number / day of OJT*/Unit trainings</p> <table border="1"> <thead> <tr> <th></th> <th>2001</th> <th>2002</th> <th>2003</th> <th>2004</th> <th>2005</th> <th>2006</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>96</td> <td>69</td> <td>111</td> <td>312</td> <td>248</td> <td>177</td> </tr> <tr> <td>SAR</td> <td>90</td> <td>-</td> <td>90</td> <td>30</td> <td>90</td> <td>-</td> </tr> <tr> <td>MARPOL / OSC</td> <td>6</td> <td>3</td> <td>21</td> <td>18</td> <td>18</td> <td>18</td> </tr> <tr> <td>MARLEN</td> <td>-</td> <td>-</td> <td>231</td> <td>231</td> <td>126</td> <td>105</td> </tr> <tr> <td>ATON</td> <td>-</td> <td>66</td> <td>-</td> <td>33</td> <td>14</td> <td>54</td> </tr> </tbody> </table> <p>Source: Project Team *As of Sep. ** OJT/Unit training: OJTs implemented by each unit in PCG</p>		2001	2002	2003	2004	2005	2006	Total	96	69	111	312	248	177	SAR	90	-	90	30	90	-	MARPOL / OSC	6	3	21	18	18	18	MARLEN	-	-	231	231	126	105	ATON	-	66	-	33	14	54
	2001	2002	2003	2004	2005	2006																																						
Total	96	69	111	312	248	177																																						
SAR	90	-	90	30	90	-																																						
MARPOL / OSC	6	3	21	18	18	18																																						
MARLEN	-	-	231	231	126	105																																						
ATON	-	66	-	33	14	54																																						

Narrative Summary	Indicator	Summary of Achievement																																																																																																	
<p>【General Achievement of Output 1】 As shown in Table of 1-2, total number of OJT/Unit Training became almost 3 times bigger before the project. Although initiation of full-time faculty system is not realized yet, the remaining tasks have been recognized by the Project team and the team declared to complete them at a Work shop on the terminal evaluation study.</p>																																																																																																			
<p>2.Training courses and seminars (SAR, ATON, MARPOL & OSC, MARLEN) of PCG including other governmental and private organization concerned are improved.</p>	<p>2-1. Completion of curriculum and syllabus developed or revised on SAR, ATON, MARPOL & OSC and MARLEN</p>	<p>Table below shows the number of curriculum, syllabus developed by the project. Compared to those of 2002, figure since 2003 showed great increase.</p> <p>NO of curriculum, syllabus on the seminars/training developed by the project</p> <table border="1" data-bbox="651 566 1278 1003"> <thead> <tr> <th></th> <th></th> <th>SAR</th> <th>ATON</th> <th>MARPOL/OSC</th> <th>MARLEN</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td rowspan="2">2002</td> <td>C</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>S</td> <td>2</td> <td>5</td> <td>0</td> <td>0</td> <td>7</td> </tr> <tr> <td rowspan="2">2003</td> <td>C</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> </tr> <tr> <td>S</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td rowspan="2">2004</td> <td>C</td> <td>0</td> <td>0</td> <td>4</td> <td>3</td> <td>7</td> </tr> <tr> <td>S</td> <td>0</td> <td>0</td> <td>18</td> <td>12</td> <td>30</td> </tr> <tr> <td rowspan="2">2005</td> <td>C</td> <td>1</td> <td>0</td> <td>1</td> <td>2</td> <td>4</td> </tr> <tr> <td>S</td> <td>0</td> <td>0</td> <td>4</td> <td>3</td> <td>7</td> </tr> <tr> <td rowspan="2">2006</td> <td>C</td> <td>1</td> <td>1</td> <td>1</td> <td>3</td> <td>6</td> </tr> <tr> <td>S</td> <td>0</td> <td>0</td> <td>0</td> <td>12</td> <td>12</td> </tr> </tbody> </table> <p>C=Curriculum / S-Syllabus ATON Seminar at HANC (Aug-Sep 2005) ATON Mobile Seminar usable for unit training (July 2006)</p> <p>Present status of integration of training courses with project seminars.</p> <table border="1" data-bbox="651 1171 1294 1850"> <thead> <tr> <th>Training Courses</th> <th>Already Integrated</th> <th>Not Integrated Yet</th> </tr> </thead> <tbody> <tr> <td>CGOC</td> <td>MARLEN Seminar, Arresting Technique, MARPOL & OSC Seminar</td> <td>SAR Seminar, ATON Seminar, RIB Training, Shipboard Training, Basic Introduction to Diving</td> </tr> <tr> <td>CGMC</td> <td>MARLEN Seminar, Arresting Technique, MARPOL & OSC Seminar</td> <td>SAR Seminar, ATON Seminar, RIB Training, Shipboard Training,</td> </tr> <tr> <td>MARSEC</td> <td>MARLEN Seminar, Arresting Technique, Drug Identification</td> <td>SAR Seminar</td> </tr> <tr> <td>MAREPC</td> <td>MARPOL & OSC Seminar, Oil Analysis & Drug Identification Seminar</td> <td>Public Awareness Seminar</td> </tr> <tr> <td>MARSAD</td> <td></td> <td>ATON Seminar, ATON Mobile Seminar, SAR Seminar, Advance Underwater SAR Course/Seminar,</td> </tr> <tr> <td>BUSOC</td> <td>SAR Seminar/Training (Underwater)</td> <td></td> </tr> <tr> <td>ALMC</td> <td></td> <td>SAR Seminar</td> </tr> </tbody> </table> <p>Source: Result of Workshop on the Terminal Evaluation Study</p>			SAR	ATON	MARPOL/OSC	MARLEN	Total	2002	C	0	1	0	1	2	S	2	5	0	0	7	2003	C	1	0	0	0	1	S	0	0	0	0	0	2004	C	0	0	4	3	7	S	0	0	18	12	30	2005	C	1	0	1	2	4	S	0	0	4	3	7	2006	C	1	1	1	3	6	S	0	0	0	12	12	Training Courses	Already Integrated	Not Integrated Yet	CGOC	MARLEN Seminar, Arresting Technique, MARPOL & OSC Seminar	SAR Seminar, ATON Seminar, RIB Training, Shipboard Training, Basic Introduction to Diving	CGMC	MARLEN Seminar, Arresting Technique, MARPOL & OSC Seminar	SAR Seminar, ATON Seminar, RIB Training, Shipboard Training,	MARSEC	MARLEN Seminar, Arresting Technique, Drug Identification	SAR Seminar	MAREPC	MARPOL & OSC Seminar, Oil Analysis & Drug Identification Seminar	Public Awareness Seminar	MARSAD		ATON Seminar, ATON Mobile Seminar, SAR Seminar, Advance Underwater SAR Course/Seminar,	BUSOC	SAR Seminar/Training (Underwater)		ALMC		SAR Seminar	
		SAR	ATON	MARPOL/OSC	MARLEN	Total																																																																																													
2002	C	0	1	0	1	2																																																																																													
	S	2	5	0	0	7																																																																																													
2003	C	1	0	0	0	1																																																																																													
	S	0	0	0	0	0																																																																																													
2004	C	0	0	4	3	7																																																																																													
	S	0	0	18	12	30																																																																																													
2005	C	1	0	1	2	4																																																																																													
	S	0	0	4	3	7																																																																																													
2006	C	1	1	1	3	6																																																																																													
	S	0	0	0	12	12																																																																																													
Training Courses	Already Integrated	Not Integrated Yet																																																																																																	
CGOC	MARLEN Seminar, Arresting Technique, MARPOL & OSC Seminar	SAR Seminar, ATON Seminar, RIB Training, Shipboard Training, Basic Introduction to Diving																																																																																																	
CGMC	MARLEN Seminar, Arresting Technique, MARPOL & OSC Seminar	SAR Seminar, ATON Seminar, RIB Training, Shipboard Training,																																																																																																	
MARSEC	MARLEN Seminar, Arresting Technique, Drug Identification	SAR Seminar																																																																																																	
MAREPC	MARPOL & OSC Seminar, Oil Analysis & Drug Identification Seminar	Public Awareness Seminar																																																																																																	
MARSAD		ATON Seminar, ATON Mobile Seminar, SAR Seminar, Advance Underwater SAR Course/Seminar,																																																																																																	
BUSOC	SAR Seminar/Training (Underwater)																																																																																																		
ALMC		SAR Seminar																																																																																																	

Narrative Summary	Indicator	Summary of Achievement																
		(Unit Training)	Already Integrated	Not Integrated Yet														
		OOD/OOW Package Course		RIB Training, Shipboard Training														
		Anti-Terrorism Course	MARLEN Seminar	RIB Training, Shipboard Training														
		EOD	MARLEN Seminar															
		MARLEN	MARLEN Seminar															
		Advance Underwater Search & Rescue Course	SAR Seminar (Underwater)															
		K9 Handler	MARLEN Seminar															
		Source: Result of Workshop on the Terminal Evaluation Study																
	2-2. Completion of manuals, handbooks and instructional materials on SAR, ATON, MARPOL & OSC, MARLEN	Number of manuals, handbook, etc. developed <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Total</th> <th>SAR</th> <th>ATON</th> <th>MARPOL/OSC</th> <th>MARLEN</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>4</td> <td>3</td> <td>14</td> <td>3</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • List of MARLEN Textbooks (including basic training) <ul style="list-style-type: none"> “ International Law of the Sea” “ Maritime Law Enforcement Operation” “ Initial Investigation on the Spot of the Drug Cases” • List of OSC Textbooks <ul style="list-style-type: none"> “ Oil Spill Analysis Manual (textbook)” 			Total	SAR	ATON	MARPOL/OSC	MARLEN	24	4	3	14	3				
Total	SAR	ATON	MARPOL/OSC	MARLEN														
24	4	3	14	3														
	2-3. Completion of educational materials for seminars	Total 24 textbooks were created. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="2">NO of textbook created</th> </tr> <tr> <th></th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>24</td> </tr> <tr> <td>SAR</td> <td>1</td> </tr> <tr> <td>ATON</td> <td>3</td> </tr> <tr> <td>MARPOL</td> <td>1*</td> </tr> <tr> <td>MARLEN</td> <td>19</td> </tr> </tbody> </table> <p style="margin-left: 20px;">*Video material</p> <p>Ex. Training aid materials on ATON was developed at the ATON Mobile Seminar (July 2006).</p>			NO of textbook created			Total	Total	24	SAR	1	ATON	3	MARPOL	1*	MARLEN	19
NO of textbook created																		
	Total																	
Total	24																	
SAR	1																	
ATON	3																	
MARPOL	1*																	
MARLEN	19																	
	2-4. Completion of materials for public awareness and campaign	Followings are major achievement. <ul style="list-style-type: none"> - Launch of the project website (since March 2004) - Monthly newsletter has been published since April 2004. - Official MEPCOM newsletter has been published since April 2004 - Formulated one Video presentation material in June 2006. - Training for public awareness and formulation of an implementation plan were conducted by Japanese short term expert. The plan will be realized in the year of 2006. Some of the above mentioned newsletters are systemized as published regularly.																
<p>【General Achievement of Output 2】 Educational and instructional materials on the seminars by the Project have been developed and accumulated steadily (Indicator 2-2 & 2-3). Materials for public awareness campaign also have been developed and published. A Project's website in English and Japanese has been disclosed since 2004(Indicator 2-4). Although integration of the curriculum and syllabus of the courses with that of the seminars (Indicator 2-1) is recognized as remaining task for the completion of the Output 2, it is clearly recognized and declared to be completed by the Project team. Furthermore, the training courses continuously should be updated in order to cope with the current Asian security, especially in the field of the MARLEN.</p>																		

Narrative Summary	Indicator	Summary of Achievement														
3. Basic training courses including OJT/unit training are enhanced	3-1. Development/revision of curriculum and syllabus	<p>Number of Curriculum / Syllabus for the training subjects developed by the project</p> <table border="1" data-bbox="651 286 1190 421"> <thead> <tr> <th>Subject</th> <th>Curriculum</th> <th>Syllabus</th> </tr> </thead> <tbody> <tr> <td>1.Shipboard Training</td> <td>3</td> <td>3</td> </tr> <tr> <td>2.Rubber boat training</td> <td>1</td> <td>1</td> </tr> </tbody> </table> <p>In addition, following changes are to be given on the training course.</p> <ol style="list-style-type: none"> 1. Arresting Technique Training conducted by MARLEN Seminar in CGOC & CCMC was introduced to basic courses. 2. RIB Handling Course is planned to be developed. <p>Major milestone / events regarding basic training courses</p> <ul style="list-style-type: none"> • First joint SAR exercise with the JCG (Jan 2006) • First joint SAR Communication Exercise with the JCG by CGAC (March 2006) • Shipboard Training in Manila (Mar 2005) & Palawan (Jun 2005), RIB Trainings and MARLEN Seminars about RIB and MARLEN equipments. • KOJIMA Training (4 times since 2003) • Lecture on maintenance of air compressor of DTF • Lecture on usage of water quality test kit • Lecture on usage of maintenance tools of ATON at ATON Mobile Seminar. <p>Above mentioned curriculum and syllabus developed by the Project are to be integrated with CGOC and CGMC by the Project ends.</p>	Subject	Curriculum	Syllabus	1.Shipboard Training	3	3	2.Rubber boat training	1	1					
	Subject	Curriculum	Syllabus													
1.Shipboard Training	3	3														
2.Rubber boat training	1	1														
3-2. Development/revision of manuals, handbooks and instructional materials	<p>NO. of manuals, handbooks and instructional materials</p> <table border="1" data-bbox="767 1238 1174 1384"> <thead> <tr> <th>Subject</th> <th></th> </tr> </thead> <tbody> <tr> <td>1.Shipboard Training</td> <td>3</td> </tr> <tr> <td>2.Rubber boat training</td> <td>1</td> </tr> </tbody> </table> <p>Above mentioned materials have been developed through Seminars by the Project and to be integrated with CGOC and CGMC by the Project ends.</p>	Subject		1.Shipboard Training	3	2.Rubber boat training	1									
Subject																
1.Shipboard Training	3															
2.Rubber boat training	1															
<p>【General Achievement of Output 3】 Training subjects that enhances basic skills and knowledge of the PCG's personnel have been established and their curriculum, syllabus and materials have been already developed (Indicator 3-2 & 3-3). The curriculum and syllabus developed by the Project are to be integrated with CGOC and CGMC by the Project ends (Indicator 3-1). It is clearly recognized and declared to be completed by the Project team within the Project term. Thus, the Output 3 is likely to be completed. On the other hand, the basic skills and knowledge of the current PCG personnel should be developed continuously even after the Project ends.</p>																
<p>Fulfillment of the Important Assumptions in the level of the Activities</p>																
Recruitment of PCG personnel does not change dramatically as planned for the next five years	<p>Number of recruitment (plan / actual)</p> <table border="1" data-bbox="421 1798 1265 1877"> <thead> <tr> <th></th> <th>2005</th> <th>2006</th> <th>2007</th> <th>2008</th> <th>2009</th> <th>2010</th> </tr> </thead> <tbody> <tr> <td>Recruitment Plan</td> <td>800</td> <td>800</td> <td>800</td> <td>800</td> <td>800</td> <td>800</td> </tr> </tbody> </table> <p>Source: CGI The recruitment plan of the PCG is continued to be with the number of 800 personnel by the year 2010.</p>			2005	2006	2007	2008	2009	2010	Recruitment Plan	800	800	800	800	800	800
	2005	2006	2007	2008	2009	2010										
Recruitment Plan	800	800	800	800	800	800										
<p>Fulfillment of the Preconditions</p>																

Narrative Summary	Indicator	Summary of Achievement	
PCG personnel support the Project		The precondition has been fulfilled and the Project started. The status has never changed by now.	

Example of Carrier pattern & Training courses

<u>Officers</u>	<u>Enlisted personnel</u>
Vice Admiral	Master Chief Petty Officer
Rear Admiral	Senior Chief Petty Officer
Commodore	<u>SPOC</u> Chief Petty Officer
Captain	<u>ALMC</u> Petty Officer 1
<u>GSC(Not established yet)</u> Commander	<u>BLMC</u> Petty Officer 2
Lieutenant Commander	<u>MARSAD</u> <u>MARSEC</u> <u>MAREPC</u> Petty Officer 3
<u>CGCSC</u> Lieutenant	<u>Specialized Courses</u> Seaman 1
Lieutenant Junior Grade	Seaman 2
Ensign	Apprentice Seaman
<u>CGOC</u> Cadet	<u>CGMC</u> Recruit