

# 7. Transportation

Development of National Implementation Plan under the "ASEAN-Japan Action Plan on Environment Improvement in the Transport Sector  
 「日アセアン交通分野における環境に関する行動計画」に基づく国別実施計画の策定

PITD Solution 1180018

Target Countries: ASEAN 6 countries (Cambodia, Laos, Myanmar, Philippines, etc.)		12 participants
Sector : Transportation/Capacity Development for Transport Sector		
Sub-Sector :		
Language : English		
<b>Appeal</b>		
This program is designed to develop environment implementation plans based on ASEAN-Japan Action Plan on Environment Improvement in the Transport Sector (AJ-APEIT) and to develop environment-friendly transport measures in ASEAN countries. It is expected to achieve the program objective through 3-years program, and this year (2011) is the second year of the whole program.		
<b>Objective / Output</b>	<b>Target Organization / Group</b>	
<p>&lt;Program Objective&gt;                  Within three years of this program, the participating organizations are expected to develop the Final Draft of National Implementation Plan (NIP) in the transport sector in accordance with AJ-APEIT. During the period of the "Finalization Phase" of the second year (2011), the Second Draft of National Implementation Plan shall be developed by each country.</p> <p>&lt;Expected Output&gt;                  (1) To select specific environmental improvement measures which are applicable to their own countries from details on good practices in Japan such as policies, institutions, technologies, etc.                  (2) To prepare a proposal for the Second Draft of NIP on each country (as an Interim Report of the second year (2011))</p>	<p>&lt;Target Organization&gt;                  Ministries/agencies being responsible for implementing AJ-APEIT and in charge of environment improvement measures                  &lt;Target Group&gt;                  (1) be government officials dealing with environment improvement measures, (2) preferably be involved in or be well aware of the objectives of AJ-APEIT, (3) can participate in the rest of whole three years program (two more years), (4) be in principle between thirty (30) and fifty (50) years of age,</p>	
<b>Contents</b>	<b>Program Period</b>	2011 / 8/28 ~ 2011 / 9/23
<p>The contents of the second year (2011) of the whole program are as below.</p> <p>&lt;Preliminary Phase&gt;                  Preparation of presentation documents on the final version of the preliminary draft of NIP</p> <p>&lt;Core Phase in Japan&gt;                  (1) Presentation on the final version of the preliminary draft of NIP (2) Short presentation on successful experiences or success stories of implementing environment measures (3) Environment measures in the Transport Sector (NIP in transport sector in Japan, Environment measures and development of railway, Logistics and environment, Calculation and utilization of vehicle gas emission factor, etc.) (4) Group discussion (Review of the lectures) (5) Case study (Visiting facilities to observe the current situation and technologies related to the environment improvement in the transport sector in Japan), (6) Preparation and presentation on the proposal for the Interim Report (as second draft of NIP)</p> <p>&lt;Finalization Phase&gt;                  Make a presentation of Interim Report and develop to Final Report</p>	<b>Implementing Partner</b>	under planning
	<b>JICA Center</b>	JICA Tokyo(Economy&Env.)
	<b>Cooperation Period</b>	2010~2012
	<b>Remarks and Website</b>	The participants who did not attend the program in 2010 are required to take over the output of the program of 2010.

**Support for the development of vehicle safety and environment regulations and establishment of type approval system for vehicles**  
**自動車の安全・環境に係る基準・認証制度の構築支援**

PITD Solution 1180154

Target Countries: ASEAN countries		7 participants
Sector : Transportation/Capacity Development for Transport Sector		
Sub-Sector :		
Language : English		
<b>Appeal</b>		
Japan has been proactively participating in WP29 activities by promoting international harmonization of vehicle regulations for addressing to the global issues such as reduction of GHG emissions and for realizing sustainable mobility societies in Asian countries. Japan is ready to provide useful advice and information and extend assistance to Asian countries which intend to accede to the UN Agreement so as to develop their vehicle regulations and others.		
<b>Objective / Output</b>	<b>Target Organization / Group</b>	
<p>&lt;Course Objective&gt; (Tentative)                  To formulate a roadmap towards the development of vehicle regulations in harmony with international regulations and the establishment of type approval systems as well as a detailed action plan on establishment of legal system and organizations for creating and administering such systems. To make the process clear to accede to the UN Agreement.</p> <p>&lt;Objective for each unit&gt; (Tentative)                  (1st year) Issues on safety and environment of vehicle will be sorted out. Upon establishing type approval system, effective measures applicable will be extracted from Japanese measures.                  (2nd year) Based on extracted measures applicable at home among Japanese cases, a roadmap for establishing type approval system and an action plan on it will be submitted.                  (3rd year) The final roadmap and action plan will be submitted by the trainee's institution after reviewing the modified drafts submitted after 2nd year training course in Japan.</p>	<p>&lt;Target Organization&gt;(Tentative)Government authorities or its agencies which administer the development of vehicle regulations and establishment of type approval system for vehicles                  &lt;Expected Job Title&gt;(Tentative)Official who is capable of planning the establishment of type approval system for vehicles as a responsible person among those who are in charge of assignment on safety and environment issues of vehicle                  &lt;Expected Job Experience&gt;(Tentative) 5 years work experience.</p>	
<b>Contents</b>	<b>Program Period</b>	2012 / 1/15 ~ 2012 / 3/15
<p>1st year: (At home) Clarify issues on traffic safety, environmental measures and existing legislation. (In Japan) Case studies on policies, institutions and regulations of vehicle including a process to accede to the UN Agreement and ways how to perform technical tests to inspect vehicle in conformity with regulations / Extract effective measures applicable at home from Japanese cases                  2nd year: (At home) Draft a roadmap for developing vehicle regulations and establishing type approval system for vehicles / Draft a process to accede to the UN Agreement. (hereinafter referred to as "a master Roadmap")                  (In Japan) Develops the most feasible roadmap and its detailed action plan after having discussed with trainers on ways how to develop a detailed action plan while considering a short and long-term feasibility.                  3rd year: (At home) Modify and submit roadmap and action plan as an interim report with discussion results in home country. (In Japan) Modified roadmap and action plan with trainers and develops more feasible drafts. (At home) Re-modified roadmap and action plan with colleagues at home within 6 months after 3rd year training course for making up their final drafts and submit them as a final report.</p>	<b>Implementing Partner</b>	Under Planning
	<b>JICA Center</b>	JICA Tokyo(Economy&Env.)
	<b>Cooperation Period</b>	2011~2013
	<b>Remarks and Website</b>	Contents including Program Period are subject to change.

Target Countries: Countries having cities with a population of 1,000,000 or more		12 participants
Sector : Transportation/Capacity Development for Transport Sector		
Sub-Sector : Urban/Regional Development/Urban Development		
Language : English		
<b>Appeal</b>		
The training aims at enhancing public transport by promoting understanding on advanced Japanese system. By acquiring the knowledge on new tasks in the public transport such as environmental issues, utilizing public transport, safety, transport for disables, transferring system, IC cards, connectivity between different modes, the participants will formulate transport policies for solving issues and developing urban public transport.		
<b>Objective / Output</b>	<b>Target Organization / Group</b>	
<p>&lt;Course Objective&gt; Proposals for improving the planning/administrative management of urban public transport are formulated against issues/problems currently tackling in their respective organizations.</p> <p>&lt;Expected Output&gt; (1) To analyze current status and major issues in urban public transport system in participants' countries. (2) To acquire comprehensive knowledge on urban public transport system in Japan. (3) To cultivate applied skill for applying the acquired knowledge to their countries and deliberate ways of improvement for solving issues. (4) To make proposals for improving the planning/administrative management of urban public transport to the respective organizations are formulated.</p>	<p>&lt;Target Organization&gt; Organizations in a city with a population of 1,000,000 or more, responsible for the formulation of urban public transport policies</p> <p>&lt;Target Group&gt; (1) have more than 5 years of professional experiences in urban transport planning and management (2) be administrative officers in charge of planning and implementing of urban transport polices in a city with a population of 1,000,000 or more (3) be in principle 45 years of age or under</p>	
<b>Contents</b>	<b>Program Period</b>	2012 / 1/22 ~ 2012 / 2/25
<p>&lt;Preliminary Phase&gt; Preparation of Inception Report on policies, efforts, and issues on urban transport planning and projects in the respective countries.</p> <p>&lt;Core Phase in Japan&gt; (1) Overview of policy and planning related to urban public transport in Japan (Development of urban transportation facilities and systems, Japan's policy measure for urban public transportation, Procedure of urban transport planning, Environmental problems caused by urban transport and their evaluation, etc.) (2) Particular subjects of urban public transport planning (Railway policy and situation, Road transport policy and situation, Traffic demand management in cities, Metro and bus business in metropolitan area, etc.) (3) Case study (Site visits in both metropolitan and other cities) (4) Preparation for proposals as Interim Report</p> <p>&lt;Finalization Phase&gt; Presetntation of Interim Report and development to Final Report</p>	<b>Implementing Partner</b>	Under Planning
	<b>JICA Center</b>	JICA Tokyo(Economy&Env.)
	<b>Cooperation Period</b>	2011~2013
	<b>Remarks and Website</b>	This program is to make proposals for improvement of urban transport policy through discussions (colloquium session).

Target Countries: <input type="text"/>		10 participants
Sector : Transportation/Capacity Development for Transport Sector		
Sub-Sector :		
Language : English		
<b>Appeal</b>		
<p>This seminar is expected that participants can understand the concept and operation of the guideline and promote their own effective measures based on the actual environmental condition of each country. In this training, they learn a basic concept of eco-airport plan beside the guideline, procedure, related measure, law, historical details and so on. They also visit ecological measures of airports and private companies. Then, they make the draft of their eco-airport plan and their action plan.</p>		
<b>Objective / Output</b>		<b>Target Organization / Group</b>
<p><b>【Objective】</b> Need of eco-friendly airport measure will be agreed among the related parties at main airports, and the draft action plan on airport environmental plan will be shared with the stakeholders in respective countries.</p> <p><b>【Outputs】</b> 1. Based on the present condition of the environment at the airport of participants' home country, the meaning and the need to introduce the Eco-airport (EA) measure can be explained 2. Setting environmental targets based on the particular needs and the characteristics in participants' home country, and Draft airport environmental plan including action plan to achieve the targets can be made. 3. Getting agreement among related parties, Being able to set up a council to promote Eco-airport measures.</p>		<p><b>【Target Organizations】</b> Central or Local Government or Airport Authority</p> <p><b>【Target Group】</b> 1. Officers in charge of airport development plan or airport administration in central or local government or airport authority 2. Be in the position which can facilitate and perform planning Eco-airport measures in the organization (director or deputy director of a division or equality post is eligible),</p>
<b>Contents</b>		<b>Program Period</b>
<ul style="list-style-type: none"> <li>•Lecture about Eco-airport implementation along the ASEAN-Japan Eco-airport guideline</li> <li>•Share the information about the effort of an improving environmental condition among different achievement countries.</li> <li>•Lecture about making airport environmental plan based on the feasibility for short-term and long-term, and study tour to see advanced eco-friendly cases.</li> <li>•Formulating a draft airport environmental plan (Action Plan) of participants' home country airports, and discussion with the related Japanese expert.</li> <li>•Lecture about Japanese examples which are necessity of eco-airport promotion of a council organization and understanding how to manage it.</li> <li>•Presentation and discussion of the draft action plan among the stakeholders in respective countries.</li> <li>•Submission of the final report on action plan.</li> </ul>		2011 / 8/28 ~ 2011 / 10 / 8
		<b>Implementing Partner</b>
		<b>JICA Center</b>
		<b>Cooperation Period</b>
		<b>Remarks and Website</b>

Target Countries: Asian Region		6 participants
Sector : Transportation/Capacity Development for Transport Sector		
Sub-Sector :		
Language : English		
<b>Appeal</b>		
To solve the problems in cargo transport system by comparing the case of Japan and to find a solution by the Creative Solution Finding Approach. Not only modernize each transport sector (land, air, port) but this course aims to earn integrated management plan of modernized infrastructure by Breakthrough Thinking.		
<b>Objective / Output</b>	<b>Target Organization / Group</b>	
<p><b>【Course Objective】</b>                  Measures to improve cargo transport systems will be developed and implemented in the organization in charge of managing the infrastructure facilities of the system in respective countries.</p> <p><b>【Expected Module Outputs】</b>                  (1)Solution development teams are formulated in the organization of each countries.                  (2)To be able to explain policy making and solution finding approach and to develop facilitation skills and to write a feasible action plan                  (3)To understand the outline of Japanese society, business management and the cargo transport system (land, air, water, IT) in Japan and to be able to come up with a adaptation plan adaptable for own countries                  (4)To find out an approach for Integration of Cargo Transport in Asia                  (5)Improvement of Action Plan and necessary arrangement of next year program are identified.</p>	Governmental Officials who handle cargo transport (incl. land, water, air, IT) and are in the position of being able to implement an action plan. The officials are expected to have three years or more experience in the cargo transport field (not including road construction, infrastructure, traffic servey). Besides, it is preferred to be a graduate of university and age between 28 to 45 years old and have enough skill of English (reading, speaking, listening) .	
<b>Contents</b>	<b>Program Period</b>	2011 / 11 / 7 ~ 2011 / 12 / 23
To solve the problems in cargo transport system by comparing the case of Japan and to find a solution by the Creative Solution Finding Approach. 1st year is to visualize the problem in cargo transport, then 2nd and 3rd year is to brush up the Action Plan in order to be more practical.  •Preliminary Phase: grasp the problem in cargo transport system •Training Program in Japan: 1)Japanese administration, cargo transport, physical distribution in Chubu district 2)Planning, establishment and efficiency in cargo transport system 3)air cargo, port system, train cargo, logistics environment, door to door transport, IT systems 4)Theory of integration, raising awareness for integration by participants 5)Making proposal and action plan, especially by break-through thinking. •Finalization Phase: Implementation of Action Plan	<b>Implementing Partner</b>	Aichi Industrial Research Association
	<b>JICA Center</b>	JICA Chubu
	<b>Cooperation Period</b>	2009~2011
	<b>Remarks and Website</b>	After participants returned to each country, their action plan developed in Japan should be shared within their organization and improve proposals based on the plan.

Target Countries: <input type="text"/>		18 participants
Sector : Transportation/Capacity Development for Transport Sector		
Sub-Sector :		
Language : English		
<b>Appeal</b>		
<p>The course should be conducted by an organization which do construction and operation for roads and bridges. The trainees could be selected considering post, experience and age. The index of the training result is how he/she applies the training experience for each country. Training plan should be made to attain its purpose. Country report should be organized by trainees beforehand, and he/she can promotes the training by himself/herself.</p>		
<b>Objective / Output</b>		<b>Target Organization / Group</b>
<p>&lt;Course Objective&gt; Participants can understand and explain the following: (1)design of bridges (acquisition of design technique using software is NOT included in the course objectives) (2)construction and construction supervision of various types of bridges (RC, PC and steel bridges) (3)maintenance and repair of various types of bridges</p> <p>&lt;Curriculum&gt; Bridge Planning in Japan Design and Construction of Substructures Design and Construction of Concrete Bridges (PC and RC Bridges) Steel Bridges Bridge Accessories Bridge Maintenance and Repair Having Discussions and Preparing Training Reports</p>		<p>&lt;Target Organization&gt;Government or governmental organizations responsible for bridge management including design, construction, and operation of bridges. &lt;Expected Job Title&gt;Engineers, who work for bridge construction or maintenance, assigned as an instructive position. &lt;Expected Job Experience&gt;Five years or more for working experiences.</p>
<b>Contents</b>		<b>Program Period</b>
<p>The concept of bridge planning and the procedure of bridge design are lectured. Soil investigation at site, selection of foundation and pier type, design technique on PC, RC and steel bridges are also lectured. Training is planned to build trainees' capacity regarding bridge planning, design procedure, bridge type selection, and bridge design under the condition of each country. Trainees visit PWRI, which is one of the highest reserch institutes on civil engineering, and long-span bridges. The points of the construction technique and construction management on foundations, substructures, PC bridge, RC bridge and steel bridge are lectured. Training is planned to build trainees' capacity regarding construction technique and management on foundation, substructure, PC bridge, RC bridge, steel bridge and quality control for concrete. Trainees visit sites st foundation work and fabrication factory of PC elements. Daily and regular inspections and emergency inspection are lectured. The concept of management and repair techniques on concrete and steel structures is shown. Training is planned to build trainees' capacity regarding inspection, non-destructive inspection and repair technique for concrete and steel structures under the condition of each country. Trainees visit sites of concrete and steel bridges under repair. Trainees submit action plans (reports) to improve present conditions on bridge construction and maintenance based on the results of the training.</p>		2011 / 9/25 ~ 2011 / 10 / 29
		<b>Implementing Partner</b>
		Honshu Shikoku Bridge Expressway Company Limited
		<b>JICA Center</b>
<b>Cooperation Period</b>	JICA Hyogo	
<b>Remarks and Website</b>	2011~2013	

Target Countries: Low-Income and Lower Middle-Income Developing Countries		19 participants	
Sector : Transportation/Capacity Development for Transport Sector			
Sub-Sector :			
Language : English			
Appeal			
Enhancing capacities of road administration of the middle-level government officers so that they put the knowledge acquired to improvement			
Objective / Output		Target Organization / Group	
<p>Improve road planning, construction and maintenance ability of the mid-level government official in road sector                  Understand the process of road planning and points to consider thereof                  Understand the effects of road development, the way to grasp them and the evaluation method of the project                  Understand the process of road structure planning (including bridges and tunnels) and points to consider thereof                  Understand road pavement                  Understand Japan's high-technologies and standards</p>		<Target Organization>Government or Government-related organizations responsible for the formulation of road planning.	
Contents		Program Period	2011 / 11 / 8 ~ 2011 / 12 / 7
<p>Presentation:Country Report Presentation by Participants                  Lecture:Road Administration in Japan , Road Network Planning, Highway Economic Effects and Project Appraisal,Case study of Damage and Maintenance on Bridges, Road Structural Ordinance and others                  Exercise and Presentation:Road Network Planning                  Site Visit:Tunnel Construction Site                  Site Visit:Laboratories of NILIM &amp; PWRI                  Observation:MLIT Technology Development Office, Pavement Maintenance Work , Traffic Control Center, Maintenance work of Akashi Kaikyo Bridge</p>		Implementing Partner	Infrastructure Development Institute-Japan
		JICA Center	JICA Tokyo(Economy&Env.)
		Cooperation Period	2010~2012
		Remarks and Website	



Target Countries:		21 participants
Sector : Transportation/Capacity Development for Transport Sector		
Sub-Sector :		
Language : English		
<b>Appeal</b>		
Experts from the one of the highest qualified port research institute in the world provide the lectures from basic knowledge to the leading-edge research results of civil engineering, and instruction how to address the issues related to the port development and planning. The participants formulate action plan with knowledge acquired through training course and consultation with the above experts.		
<b>Objective / Output</b>		<b>Target Organization / Group</b>
<p>[Objective] Based on issues related to port development and maintenance (the cost effectiveness of port facilities, appropriate maintenance, effective use of existing facilities, reducing environmental impacts, and measures to cope with disasters), a feasible action plan will be formulated.</p> <p>[Outputs]</p> <ol style="list-style-type: none"> <li>1) The issues related to the port development of respective countries are organized as Country Report with draft action plan</li> <li>2) The participants understand the policy, institutional framework and present challenges of port development</li> <li>3) The participants acquire the basic technical knowledge necessary for the planning of port development</li> <li>4) The participants understand the present issues and trends of port development</li> <li>5) The participants revise the draft action plan for the measures to address the issues of port development of each participant's country.</li> <li>6) The participants discussed the revised action plan in their organization, and finalize the action plan authorized by their organization</li> </ol>		<ol style="list-style-type: none"> <li>1. be currently engaged in port and harbour-related activities with more than three (3) years of occupational experience as a technical staff</li> <li>2. be university graduates in science and engineering field or have the equivalent educational history,</li> <li>3. have a sufficient command of spoken and written English,</li> </ol>
<b>Contents</b>		<b>Program Period</b>
<p>【Preliminary Phase】                  The issues related to the port development of respective countries are organized as report with draft action plan in advance.</p> <p>【Core Phase】                  Lecture: Policy/Institutional Framework of Japan, Design of Port Facilities, Wave Hindcasting, Soil Exploration, Life Cycle Management, Maintenance of Facilities                  Observation: Port Planning/Promotion with citizen participation, Firm location in port (as case study of port development in combination of lecture and site visit), Leading container terminal and bulk terminal in Japan, On-going port development project                  Exercise: Port planning method, Design of port facility, Hydraulic experiment, Soil test</p> <p>【Finalization Phase】                  The participants discussed the revised action plan in their organization, and finalize the action plan authorized by their organization</p>		2011 / 6 / 5 ~ 2011 / 8 / 6  The Overseas Coastal Area Development Institute of Japan  JICA Center JICA Yokohama  Cooperation Period 2010~2012  Remarks and Website

Target Countries:		21 participants
Sector : Transportation/Capacity Development for Transport Sector		
Sub-Sector :		
Language : English		
Appeal		
Experts from Ministry, Port management body, Shipping Company and Consultant provides the lectures how to address the issues related to the port management and operation. The participants formulate action plan with knowledge acquired through training course and consultation with the above experts.		
Objective / Output		Target Organization / Group
<p>[Objective] To formulate a feasible action plan to address the issues relating to port management and operation (port management and operation system, Introduction of IT system in Port Management, International Competitiveness)</p> <p>[Outputs]</p> <p>(1) The issues related to the port management and operation of respective countries are organized as Country Report with draft action plan</p> <p>(2) The participants understand the policy, institutional framework and present challenges of port management and operation of Japan</p> <p>(3) The participants understand how to examine the methods and approaches for the strategic port management and operation with understanding of the present issues and trends of port management and operation in the world</p> <p>(4) The participants revise the draft action plan for the measures to address the issues of port management and operation of each participant's country.</p> <p>(5) After the participants return to their own country, they discuss the revised action plan in their organization, and finalize the action plan by obtaining approval of their organization</p>		<p>1. be university graduates or have an equivalent academic background.</p> <p>2. be currently engaged in port administration and/or management works with more than eight (8) years of occupational experience in the field of ports and harbors</p> <p>3. hold (or will hold in short time) an executive position in port administration or management</p> <p>4. have a good command of spoken and written English,</p>
Contents		Program Period
<p>【Preliminary Phase】                  The issues related to the port management and operation of respective countries are preliminary organized as Country Report with draft action plan in advance</p> <p>【Core Phase】                  Lecture from Ministry, Port management body, Shipping Company and Consultant:Port Development Policy/Institutional Framework of Japan, Management method of Container Terminal, Port Promotion Site Visit:Visit to Port with explanation of Port management body and Container terminal operator Excercise:Layout of Container Terminal, Tariff</p> <p>【Finalization Phase】                  The participants finalize the action plan for port management of respective country, after they go back to their countries</p>		2011 / 10 / 10 ~ 2011 / 11 / 19
		Implementing Partner
		JICA Center
		Cooperation Period
		Remarks and Website
		<p>The Overseas Coastal Area Development Institute of Japan</p> <p>JICA Yokohama</p> <p>2010~2012</p>

Maritime Law Enforcement (Anti Piracy Measures) for countries in Asia and surrounding Somalia アジア・ソマリア周辺海域 海上犯罪取締り(海賊対策)		PRTD	Solution	1184023
Target Countries: Countries plans to take measures for Maritime low enforcement.		18 participants		
Sector : Transportation/Capacity Development for Transport Sector				
Sub-Sector :				
Language : English				
Appeal				
This course aims to gain knowledge and techniques for the Maritime Law enforcement through lectures, visit, and practice (including boarding) based on cooperation from Japan Coast Guard. This course is targeting to commander level of practical site and 1month period. Quota: 18 members.				
Objective / Output		Target Organization / Group		
<Course Objective> The capacity enforcement of coast guards in Asia and the surrounding countries of Somalia and sharing the Improvement Plan in the participant's organization is achieved, and the international human network in the Maritime Law Enforcement area is strengthened.		<Target Organization>Coast Guard, Naval Police <Expected Job Title>【Long】Officers in charge of practical investigation 【Short】Officers in charge of management on practical investigation		
<Objective for each unit> ①Basic Theories of Maritime Law Enforcement is aquired. ②Practical knowledge and techniques of Maritime Law Enforcement is aquired. ③Knowledge of the Japanese Maritime Saftey system is deepened through site visits of related organizations. ④The Action Plan aimed to solve each countries problems is made and shared in the participant's organization. ⑤The human international network among the participating coutries is enforced.		<Expected Job Experience>【Long】Longer than 3 years experience in practical investigation 【Short】Higher or equivalent level than “COMMANDAR RANK” <Other Qualifications>Have sufficient English ability, be university graduates or equivalent, be 40 years of age or younger, ideally (for long course)		
Contents		Program Period	2011 / 10 / 16 ~ 2011 / 11 / 12	
<Preliminary Phase> Formulation of report to present current situation in the participant's country <Core Phase in Japan> Anti Piracy Countermeasures, International Law, Anti Terrorism Countermeasures Maritime Drug Law Enforcement, Keynote Lecture(Latest Trends of Piracy in the world ) Drill for Handling Investigation Equipment, On Board Training, Exercise for Suppression Technique Table-top exercise for Piracy Countermeasures, Table-top exercise for Maritime Drugy Law Enforcement Courtesy Call(JCG HQ, 7th Regional HQ), Yokohama Base JCG Museum Annex (illegal boat), JCG Operation Room, JCG Research Center JCG Academy, Kanmon Martis (VTC) , Fukuoka Airbase Preparation for Action Plan, Action Plan Presentation (Disscussion convention) , Country Report Presentaion , Action Plan Presentation (Disscussion convention), Closing Ceremony (Signing Ceremony ) <Finalization Phase>Implementation of the formulated plan, and report progress.		Implementing Partner	Japan Coast Guard	
		JICA Center	JICA Kyushu	
		Cooperation Period	2011~2013	
		Remarks and Website	* This course is not for the lawyers or lawmakers but for those actually involved in practical investigations.	

Target Countries: ASEAN countries		10 participants	
Sector : Transportation/Capacity Development for Transport Sector			
Sub-Sector :			
Language : English			
Appeal			
This programs is designed for officer candidates of maritime safety organizations in ASEAN countries to improve their ability to direct, lead and judge in order to perform their duties as future leaders.			
Objective / Output		Target Organization / Group	
<p><b>【Course Objective】</b>                  Officer candidates of maritime safety organizations in ASEAN countries will improve their ability to direct, lead and judge, which are necessary for their future roles as commanding officers.</p> <p><b>【Expected Outputs】</b>                  (1) To be able to explain the international legal frameworks for maritime safety and the related systems                  (2) To be able to practice the knowledge and skills on safety navigation, and countermeasures against maritime accidents, marine pollutions and others                  (3) To be able to analyze the differences of maritime safety systems between Japan and respective countries                  (4) To write and present a report contributing to improve the maritime safety systems of respective countries</p>		<p><b>【Target Organizations】</b>                  Maritime safety organizations of ASEAN countries in the Malacca Straits region</p> <p><b>【Target Group】</b>                  • Present position: Officer candidates of maritime safety organizations                  • Job experience: more than 5 years of experience in the field of maritime safety</p>	
Contents		Program Period	2011 / 8/23 ~ 2012 / 3/8
Course modules: (1) Laws, regulations, and systems concerning maritime safety (2) Knowledge and skills on safety marine navigation and maritime accident (3) Comparison and analysis of maritime safety system (Japan and respective countries) (4) Practical training on maritime safety (5) Report presentation on the improvement and development of the maritime safety in respective countries		Implementing Partner	Japan Coast Guard Academy
		JICA Center	JICA Chugoku
		Cooperation Period	2009~2011
		Remarks and Website	The detailed contents of the course, are to be adjusted every year, reflecting the needs and requests of respective organizations.

Target Countries:		20 participants
Sector : Transportation/International / Inter-regional Transportation		
Sub-Sector :		
Language : English		
Appeal		
Based on the experiences of Japanese aviation security, this course offers the knowledge on the aviation security such as, international standards, security measures, security equipments and training, quality control and crisis management.		
Objective / Output		Target Organization / Group
<p><b>【Objective】</b> Draft Action Plan on enhancing aviation security will be formulated by the participants, and will be shared with the stakeholders in respective countries.</p> <p><b>【Outputs】</b> 1. To deepen understanding of the importance of international aviation security by studying the Japanese and other states' systems and experiences 2. To acquire basic knowledge of aviation security and security control systems practiced in Japan and other states as a reference 3. To deepen basic knowledge of security equipment 4. To identify aviation security problems in each participant's country, and seek the effective measures for them</p>		<p><b>【Target Organizations】</b> Governmental bodies on aviation security and management of airport <b>【Target Group】</b> 1. Administrative officers in charge of the aviation security and management of airport. 2. Graduates degree or the equivalents with an academic background in civil aviation. 3. With more than five years of occupational experience in the field of aviation security. 4. Have a sufficient command of spoken and written English.</p>
Contents		Program Period
<p>[Preliminary Phase] 1. Preparation of Country Report on Aviation Security in each country. [Core Phase in Japan] 1. Lectures, observations, and discussions on followings will be conducted. * Structure and system of civil aviation in Japan, international aviation security law, outline of security measures for aviation by airports, airlines and forwarder, regulation and quality control for Aviation Security. * Countermeasures in the event of Hijacking, security screening at airport, preventive measures against acts of unlawful interference of flights by air carrier, training methods and subjects for security personnel including screeners. * Basic knowledge of explosives, new technologies for screening equipment and advanced screening system. 2. Development of the draft action plan, and its presentation and discussion. [Finalization Phase] 1. Presentation and discussion of the draft action plan among the stakeholders in respective countries. 2. Submission of the final report on action plan.</p>		2012 / 1 / 11 ~ 2012 / 2 / 11
		Implementing Partner
		JICA Center
		Cooperation Period
		Remarks and Website

Sector : Transportation/International / Inter-regional Transportation

Sub-Sector :

Language : English

Appeal

It has been designated by FIG/IHO/ICA to issue category B certificates of hydrographic surveyors. All courses will be conducted in Japan. This course aims to improve the ability at hydrographic survey and nautical cartography and the capability to collect, maintain, and manage marine information. The ability of policy development with GIS will also be improved.

Objective / Output	Target Organization / Group	
<p>&lt;Course Objective&gt; The course aims to improve the ability to collect, maintain and manage the marine information as the basic technique of charting and the ability at policy development utilizing geophysical information. &lt;Objective for each unit&gt; Pass in the examination, which conforms to internationally accepted standards, conducted after each subject Acquisition of hydrographic data to make appropriate level of original drawing of nautical chart Acquisition of certificates of International Accredited Category B for Hydrographic Survey by pass the examination, obtaining hydrographic data and make original drawing To be able to explain the framework and method to collect the marine data and metadata in Japan To be able to express maps with GIS and to layer geophysical data To be able to scope the appropriate marine information and its location after the assumption and to produce appropriate material for the development of marine policy using GIS</p>	<p>&lt;Target Organization&gt;governmental organization for nautical cartography or hydrographic survey &lt;Expected Job Title&gt;Mid-level technicians who are currently engaged in nautical cartography or hydrographic survey in the governmental organization &lt;Expected Job Experience&gt;More than two (2)-year job experience in hydrographic survey &lt;Other Qualifications&gt;Have obtained credits for two (2)-year course of mathematics and physics at least on the level of Technical College or equivalent educational institution,</p>	
<b>Contents</b>	<b>Program Period</b>	2011 / 6 / 7 ~ 2011 / 12 / 1
<p>Lectures conforms to the curriculum to acquire International Accredited Category B for Hydrographic Survey Field practices conforms to the curriculum to acquire International Accredited Category B for Hydrographic Survey Practice in processing hydrographic data and making original drawing of chart Lecture about the "Marine Information Clearinghouse", which is metadatabase for marine data and information in Japan, and about the framework and method to collect, maintain, and manage the marine data and information in Japan Ocean Data Center Lecture about the philosophy of GIS, how to use GIS application generally used around the world and practice in layering and expressing geophysical information Training of the method of collecting marine information needed in the policy planning, desktop simulation and discussion about the GIS base policy planning aiming the establishment of marine protected area etc.</p>	<b>Implementing Partner</b>	Under Planning
	<b>JICA Center</b>	JICA Tokyo(Economy&Env.)
	<b>Cooperation Period</b>	2011~2013
	<b>Remarks and Website</b>	Participants are given certificate of the Category B at the completion of the course. <a href="http://www1.kaiho.mlit.go.jp/jhd-E.html">http://www1.kaiho.mlit.go.jp/jhd-E.html</a>

Target Countries: <input type="text"/>		6 participants
Sector : Transportation/International / Inter-regional Transportation		
Sub-Sector :		
Language : English		
Appeal		
To develop the marine technical expert having the technique of maritime safety and management based on information technology		
Objective / Output	Target Organization / Group	
<p><b>【Objectives】</b>                  This program aims to improve the capacity of leaders of maritime education and to disseminate the knowledge and skills to participating organizations.</p> <p><b>【Outpuets】</b>                  1) To understand the international maritime regulations, and explain the international background of safety navigation and the role of maritime education.                  (2) To understand the basic navigation technology, and apply the information technology for maritime education and safe navigation.                  (3) To conduct and evaluate the education and training for seafarers.                  (4) To make teaching materials and instruction manual for instructing maritime education and navigation technology by applying the information technology.                  (5) To plan, execute, evaluate and improve the maritime education and training based on teaching materials and instruction manual</p>	1)Be engaged in maritime education concerning operation control of vessels in their countries. Lecturer of educational institution is most appropriate. 2)Experience: (a)have experience of service on the sea for 1 year or more, (b)have experience of maritime education for 1 year or more, and have equivalent knowledge and skill to (a) 3)Education: be a graduate of university or equivalent, have knowledge and skill equivalent to those required for 2nd or 3rd Grade Maritime Officer (Navigation), based on the '95 STCW treaty, have basic knowledge on RADAR-ARPA simulators and PC.	
Contents	Program Period	2011 / 6 / 20 ~ 2011 / 12 / 3
1-1 The international maritime regulations and the navigation rules that were adopted by IMO, 1-2 ISM and PSC, 1-3 Maritime disaster control training by "Maritime Disaster Prevention Center" 2-1 The marine meteorology, the terrestrial and electronic navigation, the maritime information network, and the nautical information system, 2-2 Observation of the educational organization, operative facilities and the private enterprises 3-1 Radar/ ARPA simulator, ship maneuvering simulator and cargo handling simulator training, 3-2 GMDSS simulator and ECDIS simulator training, 3-3 Training on Board a training ship 4-1 Seminar on the theme of education and training methods and the current situation of marine transportation 5-1 Teaching practice using teaching materials and instruction manual prepared by participants, 5-2 Presentation of seminar	Implementing Partner	Marine Technical College
	JICA Center	JICA Hyogo
	Cooperation Period	2010~2012
	Remarks and Website	

Target Countries:		12 participants
Sector : Transportation/International / Inter-regional Transportation		
Sub-Sector :		
Language : English		
Appeal		
This program is proposed to contribute to enhance the ship safety inspection, to secure the safety of human life and to preserve the global maritime environment by acquiring related requirements of the international maritime conventions.		
Objective / Output	Target Organization / Group	
<b>【Objective】</b> Technical knowledge on the related requirements of the international maritime conventions and the draft action plan which is formulated by participants to enhance the ship safety inspection will be shared with the stakeholders in respective countries. <b>【Outputs】</b> 1. To understand the requirements and interpretation of international maritime conventions. 2. To understand the present issues and problems for the implementation of international maritime conventions in developing countries. 3. To understand the international/Japanese standard and the criteria of ship safety inspection. 4. To develop the draft action plan proposing practical method to solve the challenges.	<b>【Target Organizations】</b> Governmental bodies on ship safety management. <b>【Target Group】</b> 1. Official in the field of ship safety administration such as Ship Inspectors, but not as seafarer, harbor master, pilot, consultant engineer etc. 2. Graduate degree in engineering or equivalents. 3. With more than one year experience. 4. Have a sufficient command of speaking and writing English.	
Contents	Program Period	2011 / 8 / 16 ~ 2011 / 11 / 16
[Preliminary Phase] 1. Preparation of Inception Report on Ship Safety Inspection System in each country.  [Core Phase in Japan] 1. Lectures, observations, and discussions on followings will be conducted. * IMO trend. * SOLAS Convention * Visiting Shipbuilding Yards and Ship Machinery Companies. * Practical Training for New Ship Survey, Existing Ship Survey, PSC or Engine Survey. 2. Development of the draft action plan, and its presentation and discussion.  [Finalization Phase] 1. Presentation and discussion of the draft action plan among the stakeholders in respective countries. 2. Submission of the final report on action plan.	Implementing Partner	Shipbuilding Research Centre of Japan
	JICA Center	JICA Yokohama
	Cooperation Period	2010~2012
	Remarks and Website	



Target Countries: ASEAN Countries		17 participants	
Sector : Transportation/International / Inter-regional Transportation			
Sub-Sector :			
Language : English			
<b>Appeal</b>			
<p>Since the 2001 terrorist attacks, security measures related to international maritime transport has become an important international issue. The purpose of this seminar is to acquire the necessary knowledge to promote ASEAN countries port security measures. The training target is the port security personnel. This seminar will introduce International trends and latest technology related port security, and understanding SOLAS revision convention and its standards which required for ASEAN.</p>			
<b>Objective / Output</b>		<b>Target Organization / Group</b>	
<p>[Objective] To understand importance of port facility security and to share issues of port facility security policy among ASEAN countries</p> <p>[Output] (1) To understand international conventions and initiatives on port facility security and acknowledge needs of port facility security policy as well as roles of contracting government (2) To acquire basic knowledge and understand current act and security audit for the implementation of port facility security measures (3) To acquire skills for the implementation of PDCA cycle in port facility security to improve port facility security of each country</p>		<p>[ Target Organization] National government organizations in charge of port facility security policy</p> <p>[Target Group] (1) to be university graduates in engineering field or have the equivalent educational history, (2)to have a sufficient command of spoken and written English, (3) to be an official of the government or a public entity currently in charge of port facility security (It is preferable that the nomination of two candidates from each country is a pair of manager and officer in the same department.)</p>	
<b>Contents</b>		<b>Program Period</b>	2011 / 11 / 28 ~ 2011 / 12 / 18
<p>[Lectures] Port Facility Security Policy in Japan, Trend of the International Organizations Related to Port Security, Port Facility Security Assessment and Planning in Japan, Port Facility Security Equipment, Communication Procedures, Maritime Security, Security Measures Related to Customs, Security Inspection and Audit in Japan</p> <p>[Exercise] Country Report, Port Security Assessment and Planning, Table Top Exercise, Audit</p> <p>[Site visit] Study trip to port and harbor in Japan</p>		<b>Implementing Partner</b>	The Overseas Coastal Area Development Institute of Japan
		<b>JICA Center</b>	JICA Yokohama
		<b>Cooperation Period</b>	2010~2012
		<b>Remarks and Website</b>	

Target Countries: Central Asian Countries		12 participants	
Sector : Transportation/National Transportation			
Sub-Sector :			
Language : Russian			
<b>Appeal</b>			
This training course is designed to learn road management and maintenance system including disaster prevention (snow and ice disaster, slope management, maintenance with ITS, asset management) reflecting the similarity between Central Asia and Hokkaido. The course leader and lecturers will have two discussions to complement participants' understanding and provide personal coaching to each participants for making feasible action plan			
<b>Objective / Output</b>		<b>Target Organization / Group</b>	
<b>【Objectives】</b> The Action Plan, focused on the system and planning, based on the understanding the issues on the management of trunk roads in respective countries under the budgetary constraints shall be proposed and shared among the belonging organization. <b>【Outputs】</b> 1) Road maintenance management system is reconsidered through understanding the case of Hokkaido. 2) Procedure of road management is reconsidered with the concept of "Life Cycle Management" 3) Appropriate maintenance management for inner city road is reconsidered. 4) Countermeasure against natural disasters such like snowslide and landslide is reconsidered. 5) Road problems in the cold areas are defined and reconsidered the countermeasure against them. 6) "Action Plan" is proposed to solve the road problems in own areas through applying the lessons learnt through this training program.		<b>【Target Organizations】</b> Organization responsible for road management, operation, and maintenance <b>【Target Group】</b> - engineer or administrator in charge of road planing and maintenance - More than five (5) years experience in the field of road planning, road maintenance, or road management.	
<b>Contents</b>		<b>Program Period</b>	2011 / 11 / 9 ~ 2011 / 12 / 17
[Preliminary Phase]-Preparation of Inception Report  [Phase in Japan] 1) Framework of road maintenance and management(organization, budget, out-source, law) 2) Road design standard, Construction standard, Construction Management, Maintenance plan considering Life Cycle Cost, Repair work 3) Development and maintenance for inner city road, underground passage, snow-melting tank 4) Emergent operation against natural disaster, temporary repair work, case study 5) Countermeasures against disester in ice and cold region(snowslide, frost heaven), pavement in cold area, construction in cold area 6) Country report presentation, discussion, Action plan making and presentation  [Finalization Phase]-Submit the progress report within 6 months after the training in Japan		<b>Implementing Partner</b>	Under Planning
		<b>JICA Center</b>	JICA Sapporo
		<b>Cooperation Period</b>	2011~2013
		<b>Remarks and Website</b>	

Target Countries: <input type="text"/>		8 participants
Sector : Transportation/Urban Transportation		
Sub-Sector :		
Language : English		
Appeal		
This program is designed for transport/environ. govt. officers to bring awareness and encourage introducing Environmentally Sustainable Transportation system.		
Objective / Output	Target Organization / Group	
<p><b>【OBJECTIVE】</b> Approaches and directions to promote Environmentally Sustainable Transportation system will be shared among planning officers in the participants organizations.</p> <p><b>【OUTPUTS】</b> (1) To identify and explain urban environmental problems and issues relating transportation in own country. (2) Observe actual approaches from central and local government, private company, community and understand their measures/methods. (3) Set the direction of policies, programs, projects for EST promotion and their knowledge disseminating methods. (4) Develop action plan to promote EST in respective countries (5) EST shall be examined and dissemination shall be implemented at participant's organization to introduce leaning points from the training program in Japan.</p>	<p><b>【TARGET ORGANIZATIONS/GROUP】</b> •Department of Public Transportation (Division of Environment) and Department of Environment (Division of Transportation) or other related agencies. •Have over 3 to 5 years of experience in relevant area. •Have a sufficient command of speaking and writing English in order to undertake the course as a lot of time is allocated for discussion;</p>	
Contents	Program Period	2011 / 7/27 ~ 2011 / 9/10
<p>This program is designed for transport/environ. govt. officers to bring awareness and encourage introducing Environmentally Sustainable Transportation system.</p> <ul style="list-style-type: none"> <li>•Compile and organize own country issues though discussion.</li> <li>•Policies to introduce the EST to own country by deepening understandings comprehensive concepts of the EST.</li> <li>•Drafting an action plan and sharing with her/his organizations.</li> </ul>	Implementing Partner	United Nations Centre for Regional Development(UNCRD)
	JICA Center	JICA Chubu
	Cooperation Period	2009~2011
	Remarks and Website	We positively accept nominees come with combination of two participants, one each from Environment and Transportation divisions.

Target Countries: Countries with urban rail networks		12 participants
Sector : Transportation/Urban Transportation		
Sub-Sector :		
Language : English		
<b>Appeal</b>		
This program is designed for railway companies, including future companies, to plan the operation and maintenance system suitable for their own countries.		
<b>Objective / Output</b>	<b>Target Organization / Group</b>	
<p>To propose Improvement plan of the operation and maintenance system suitable for recipient countries' urban railways, based on the understanding of the issues related to the operation of urban railways and the consideration of their present situations.</p> <p>1. To be able to explain the importance of safe and efficient operation of urban railways.                  2. To understand the methods how to operate and maintain the urban railways in Japan.                  3. To be able to propose their operation and maintenance system suitable for their own countries' urban railways.                  4. To share and consider the proposal among the related officers in the organizations and report the progress to JICA Tokyo.</p>	<p>&lt;Target Organization&gt;                  Urban railways or Railways with urban railway lines.</p> <p>&lt;Target Group&gt;                  1 Managers /senior officers of the planning dept.or failway companies                  2 University graduates with more than 5 years</p>	
<b>Contents</b>	<b>Program Period</b>	2012 / 1/10 ~ 2012 / 2 / 4
<p>【At home】                  Rport making about the present situation in their own countries.                  【In Japan】                  •Lectures on the issues related to urban railways which are common in the developing countries, and presentations by trainees about the present situation in their own countries.                  •Lectures on the characteristics of Japanese railway system which is superior in the safety and efficiency.                  •Lectures on the organization/system of railway companies and their roles.                  •Lectures on the methods how to approach for solving problems and how to draw up a plan, based on the experiences of railway companies.                  •Lectures and site-visits on the methods how to operate and maintain the urban railways in Japan.                  •Presentations by trainees and discussions for planning their future operation and maintenance system, based on the understanding of the issues related to the operation of urban railways and the consideration of their present situations.                  【At home】 Presentation and discussion of the improvement plan in their own countries</p>	<b>Implementing Partner</b>	Japan Railway Technical Service
	<b>JICA Center</b>	JICA Tokyo(Economy&Env.)
	<b>Cooperation Period</b>	2010~2012
	<b>Remarks and Website</b>	This program is designed for countries which have urban railways such as commuter rail, underground railway, LRT, and MRT.

Target Countries: <input type="text"/>		13 participants
Sector : Transportation/Rural Transportation		
Sub-Sector : Transportation/National Transportation		
Language : English		
<b>Appeal</b>		
This training is focused on maintenance of mountain road and aims to contribute to the capacity development of civil engineers in the related field. In this training program participants will have chances to observe cost-effective maintenance activities in Nara, Wakayama and Kochi prefectures. Those methods shall be relevant for civil engineers in developing countries, especially counterparts of Japanese ODA projects to develop infrastructures.		
<b>Objective / Output</b>	<b>Target Organization / Group</b>	
<p><b>【Objectives】</b> Skills and knowledge which is required for maintenance and improvement of mountain road will be shared among engineers in participating organizations or related organizations.</p> <p><b>【Outputs】</b> (1)Issues about planning, designing and maintenance of mountain road in participants' respective countries will be clarified (2)Participants will understand history and outline of roads in Japan. (3)Participants will be able to explain about techniques which are required for maintenance and improvement of mountain road in their countries. (4)Plan to apply and disseminate gained techniques will be formulated. (5) Activities to share skills and knowledge which is required for maintenance and improvement of mountain road will be implemented by participating organizations.</p>	<p><b>【Target Organizations】</b> Organizations in charge of maintenance of mountain road <b>【Target Group】</b> Civil Engineers who is incharge of maintenance of mountain road with at least 5 years of working experience in the relevant fields</p>	
<b>Contents</b>	<b>Program Period</b>	2011 / 10 / 24 ~ 2011 / 12 / 10
<p>Main activities which correspond to the Outputs are as follows: (1) Presentation: Job Report Discussion: Issues in participants organization (2) Lecture: Overall condition of Japan's mountain road Lecture: Japan's policy and system on road construction and maintenance Lecture: History of construction of mountain road in Japan (3) Observation/Practice: Route 309 Discussion/Lecture: Technique of maintenance of mountain road and its t Practice/Discussion: Analysis of techniques which can be applied in their organization (4) Observation/Practice: Route 168 Discussion/Lecture: Improvement technique for Route 168 Practice/Discussion: Analysis of techniques which can be applied in their organization (5) Practice: Dissemination Plan formulation Presentation: Dissemination Plan/ Activities</p>	<b>Implementing Partner</b>	Under Planning
	<b>JICA Center</b>	JICA Osaka
	<b>Cooperation Period</b>	2011~2013
	<b>Remarks and Website</b>	

Target Countries: <input type="text"/>		10 participants
Sector : Transportation/Other Transportation Issues		
Sub-Sector :		
Language : English		
<b>Appeal</b>		
Japan has been actively implementing RNAV flight procedure designs as a precursor of Asia/Pacific Region, and has got expertise and knowledge. Transfer of our expertise to other states contributes to achieving the seamless sky which improves the safety and reduces GHG emissions of these states. With the advent of the GPS utilization as well as onboard FMS, RNAV improves operational safety and efficiency of aircraft.		
<b>Objective / Output</b>		<b>Target Organization / Group</b>
<p>&lt;Course Objective&gt; (Tentative) The aim of the project is to have trainees understand the ICAO PBN concept, the RNAV flight procedure designing process based on the international standards, and design method utilizing the sophisticated software tools developed by Japan. After the training, trainees will acquire enough knowledge and expertise to design their own RNAV flight procedures.</p> <p>&lt;Objective for each unit&gt; (Tentative) 1 RNAV introduction scheme and building a roadmap. 2 Guarantee for RNAV products. 3 Explanations on RNAV designing standards. 4 Flight procedure designing software. 5 Ground / Flight validation and Safety assessment. 6 Final presentation.</p>		<p>&lt;Target Organization&gt;Civil Aviation Authority &lt;Expected Job Title&gt;flight procedure designer, air traffic controller, RNAV qualified pilots, etc. &lt;Expected Job Experience&gt;the personnel who finished PANS-OPS Basic Training Course or those who have enough knowledge equivalent to the former one. (Tentative)</p>
<b>Contents</b>		<b>Program Period</b>
<p>1. The historic process leading to the RNAV introduction in Japan. 2. RNAV roadmap in Japan. 3. RNAV development to be made in Japan. 4. Flight procedure designing process. 5. Stored data on the maps. 6. Measuring surface obstructions and management of mathematical accuracy. 7. Qualifications of flight procedure designers and training system. 8. International standards.(PANS-OPS) 9. Practice training of RNAV flight procedure designing. 10. Assessing tool of RNAV routes. 11. Practice training of RNAV flight procedure design with the use of our system "PANADES"(Procedures for Air Navigation services-Airspace Design and Evaluation System). 12. Tour visit to ATMC (Air Traffic Management center) 13. knowledge necessary for ground validation. 14. Outline of flight validation. 15. Safety Assessment 16. Practice training of ground validation. 17. Tour visit to Flight Inspection section. 18. Giving summary of RNAV flight procedure design and the calculating ground or evidence of Minimum Safety Altitude. (Tentative)</p>		2012 / 2 / 5 ~ 2012 / 3 / 10
		<b>Implementing Partner</b>
		<b>JICA Center</b>
		<b>Cooperation Period</b>
		<p>Under Planning</p> <p>JICA Tokyo(Economy&amp;Env.)</p> <p>2011~2013</p> <p>Website <a href="http://www.mlit.go.jp/koku/english/index.html">http://www.mlit.go.jp/koku/english/index.html</a></p>
		<b>Remarks and Website</b>

Target Countries: Countries have maritime safety agency/department/organization		6 participants
Sector : Transportation/Other Transportation Issues		
Sub-Sector :		
Language : English		
<b>Appeal</b>		
<p>Participants shall have opportunities to acquire skill and knowledge regarding maritime search and rescue, disaster prevention and marine environment protection through this program from Japan Coast Guard and other organizations which have sophisticated and technical ones as they operate actual responses.</p> <p>Participants will also have a view of a solution through the methods to formulate an action plan, based on acquired ones; for capacity development of participants' and their own organizations.</p>		
<b>Objective / Output</b>	<b>Target Organization / Group</b>	
<p>&lt;Course Objective&gt;This program aims to realize the implementation of actions for improvement and/or solution of issues and problems about Maritime SAR, Marine disaster prevention and marine environment protection in participant's organizations which have a duty of SAR, disaster prevention and environment protection based on the action plan prepared by participants.&lt;Objective for each unit&gt;1)To be able to clarify and understand the present situation, issues and problems of SAR, maritime disaster prevention and marine environment protection system of participants' agency and department2)To be able to clarify and understand framework of Japan Coast Guard. 3)To be able to clarify and understand issues on international framework, knowledge and skills on maritime SAR.4)To be able to clarify and understand issues on international framework, knowledge and skills regarding maritime disaster preventions and method of combating oil, noxious and hazardous substances5)To be able to clarify and understand issues on international framework, knowledge and skills regarding marine environment protection6)To be able to formulate the action plan for solution of issues and problems on SAR, disaster prevention and marine environment protection system in participants' countries</p>	<p>&lt;Target Organization&gt;The duty agency on Maritime Search and Rescue, Marine Disaster Prevention and Marine Environment Protection.&lt;Expected Job Title&gt;The officials for maritime safety operational level of the coast guard or equivalent organization which have a duty of maritime search and rescue and/or marine disaster prevention and/or marine environment protection.&lt;Expected Job Experience&gt;have more than five(5)years' experience in the field of maritime SAR and/or marine disaster prevention and /or marine environment protection.&lt;Other Qualifications &gt;Age: be under fifty (50) years. Educational Background: be graduate of university or equivalent.Health: must be in good health, both physically and mentally, to participate in the program.</p>	
<b>Contents</b>	<b>Program Period</b>	2011 / 8/15 ~ 2011 / 10/27
<p>●1)To understand and analyze the present situations of SAR, disaster prevention and marine environment protection system of agency and identify its issues and problems.To make and present a country report on the above mentioned topics.●1)Lecture on framework about Japan Coast Guard. 2)Observation of Japan Coast Guard Academy.●1)Lecture on knowledge about maritime SAR. 2)Lecture, exercise and observation of related facilities on actual SAR methods. 3)SAR Table-Top Drill.</p> <p>●1)Lecture on knowledge about international framework, knowledge and skills to combat disaster related oil, noxious and hazardous substances. 2)Lecture, exercise and observation of related facilities on actual operations.●1)Lecture on knowledge about international framework, knowledge regarding marine environment protection. 2)Lecture, exercise and observation of related facilities on actual operations including method of investigation, coordination between related organizations.</p> <p>●1)Lecture and exercise on formulation of action plan for solution of issues and problems on SAR, disaster prevention and marine environment protection system. 2)Formulation and presentation of action plan for solution of issues and problems identified by each participant.</p>	<b>Implementing Partner</b>	Japan Coast Guard;HQ and Regional HQof 3・5・11・Japan Coast Guard Academy,etc.
	<b>JICA Center</b>	JICA Yokohama
	<b>Cooperation Period</b>	2011~2013
	<b>Remarks and Website</b>	Japan Coast Guard mainly arrange and implement this course.