

Shipping Administration for ASEAN members 海事行政(ASEAN諸国対象)		PITD Solution 1080791 Sector : Transportation Sub-Sector : Capacity Development for Transport Sector	
		10 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
To promote development of shipping policies in ASEAN member countries so as to contribute to the realization of sufficient development of maritime transport in the ASEAN region as well as quality enhance of the administrative capacity or ASEAN member countries through sharing and considering with the common themes as well as introducing the knowledge of International maritime affairs and Japanese experiences in administrative sector to the maritime authorities and their officials.	<Target Organizations> Central or local government in charge of the field of Shipping administration in ASEAN member countries. <Target Group> (1)College graduates, or have the equivalent academic background (2)Currently employed in the national shipping office or other pertaining organizations which are responsible for carrying out shipping administration, with at least ten (10) years of the occupational experience, (3)Have a sufficient command of spoken and written English		
CONTENTS	PROGRAM PERIOD	Feb / 1/2011 ~ Feb / 26/2011	
The following subjects will be covered in this program through lectures, observations and discussions (1)Domestic passenger shipping (Policy, Legal scheme, typical points) (2)Domestic cargo shipping (Policy, Legal scheme, typical points) (3)Navigational safety (Policy, Legal scheme, Vessel Traffic Service, Aids to Navigation) (4)Seafarers (Policy, Legal scheme, typical points)	IMPLEMENTING PARTNER	Japan Transport Cooperation Association	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE		

Airport Development Planning for Considering Environment 環境に配慮した空港整備計画策定		PITD Solution 1080878 Sector : Transportation Sub-Sector : Capacity Development for Transport Sector	
		6 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
(1)Based on the present condition of the environment at the airport of participants' home country, the meaning and the need to introduce a 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. (4)Draft plans (airport environmental plan, council organization, program promotion plan) which were made by the seminar participants are deliberated among related parties, then feasibility action plan is agreed after reconsideration.	(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), (3)Have a good command of speaking and writing English (4)above thirty years of age and under the forty-five years of age		
CONTENTS	PROGRAM PERIOD	Aug / 29/2010 ~ Oct / 9/2010	
<ul style="list-style-type: none"> •Lecture about Eco-airport implementation along the ASEAN-Japan Eco-airport guideline •Share the information about the effort of an improving environmental condition among different achievement countries. •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. •making a draft airport environmental plan (Action Plan) of participants' home country airports, and discussion with the related Japanese expert. •Lecture about Japanese examples which are necessity of eco-airport promotion of a council organization and understanding how to manage it. •Within three months: A progress report of the draft plans consideration and participant achievement shall be submitted to JICA and instruct to participants as needed. Within six months: report of result of the draft plan study and action plan for making airport environmental plan shall be submitted to JICA from environmental policy promotion section. 	IMPLEMENTING PARTNER	The Overseas Coastal Area Development Institute of Japan	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2009~2011	
	REMARKS and WEBSITE	Participants shall have opportunities to acquire practical knowledge of airport development(and/or improvement) plan for considering environment based on the ASEAN-Japan Eco-airport guideline and see innovated environmental measures at airports and private company in Japan.	

The Improvement and Integration of Cargo Transport in Asia Region アジア地域における物流システムの改善と統合		PITD Solution 1080883 Sector : Transportation Sub-Sector : Capacity Development for Transport Sector	
Target Countries: Asian Region		5 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Course Objective】 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>【Expected Module Outputs】 (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>	<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 survey). 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).</p>		
CONTENTS	PROGRAM PERIOD	May / 10 / 2010 ~ Jun / 26 / 2010	
<p>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.</p> <p>• 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</p>	IMPLEMENTING PARTNER	Aichi Industrial Research Association	
	JICA CENTER	JICA Chubu	
	COOPERATION PERIOD	2009~2011	
	REMARKS and WEBSITE	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. And implementation of the plan will be monitored by TV conference and progress report.	

Public Participation, Consensus Building and Resettlement in Public Works Projects for Asian Countries アジア地域 公共事業における市民参加、合意形成および住民移転		PRTD Solution 1084134 Sector : Transportation Sub-Sector : Capacity Development for Transport Sector	
Target Countries: Asia		6 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Project Objective】Administrative officers of central/local governments who are engaged in public works including road construction projects are able to make proposals of guideline/regulation concerning execution of environmental consideration related to public involvement, land appropriation and relocation of residents in the planning stage of public works.</p> <p>【Expected Module Outputs】 (1) To be able to understand and execute Public Involvement (PI) methods for the planning phases of public works projects, mainly on the road sector, (2) To be able to understand appropriate ways to conduct involuntary resident relocation and loss compensation based on environmental and social considerations; analyzing problems on systems in the target country, (3) To be able to make a proposal on guideline/regulation based on the processes of public involvement and environmental and social considerations in the planning.</p>	<p>【Target Organizations】 National, regional organizations which relate to city planning or public works.</p> <p>【Target Group】 (1) Administrative officers engaged in project planning/policymaking (2) Have more than five years of experience</p>		
CONTENTS	PROGRAM PERIOD	Aug / 29 / 2010 ~ Sep / 30 / 2010	
<p>【Preliminary Phase in home country】 Submit of Inception Report 【Core Phase in Japan】 (1) Background of public involvement methods, Practical public involvement methods, Examples of public involvement in public works projects (2) Basic policy: 1) Resident relocation policy public compensation system in Japan, Responses to involuntary resident relocation caused by public works projects, Realities of involuntary resident relocation based on environmental and social considerations: 1) Responses in environmental and social considerations, 2) Projects execution method (using Cambodian or Nepalese examples and understanding problems and challenges facing each aspect of execution as well as how to cope with them) (3) Discussion on the state of progress and challenges in developing systems in the target countries, Model study, Role playing for resident discussions (4) Formulation of the Interim Report on solution creation 【Finalization Phase in home country】 Submit the Final Report after returning home country within six months.</p>	IMPLEMENTING PARTNER	Hokkaido Development Bureau Hokkaido University, Obihiro City	
	JICA CENTER	JICA Obihiro	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE	Participants should be nominated in the same organization during 3 years since the program aims to achieve the objective through 3 years. FY 2010 is the third year of the Program.	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Objectives] This course aims for participatory countries and organizations to be proposed by participants the proper strategies for the road management and maintenance, based on the comprehension of problems in each country.</p> <p>[Outputs] I. To achieve this program objective, participants are expected; (1) To understand effectiveness and benefits of preventative maintenance (2) To acquire proper inspection measures and be able to arrange obtained information (3) To understand pavement repairing measures and point out the proper measures in accordance with analysis of acquired information (4) To be able to develop the proper measures of repairing methods and its costs, and propose plans for road management, through the analysis of inspection</p>	<p>[Target Organizations] Ministry of Public Works, Ministry of Transportations, Local Government</p> <p>[Target Group] 1) Current Duties: Civil Engineers in charge of maintenance and/or management of main highways 2) Experience in the relevant field: have more than 5 years' experience in the field of 1)</p>	
CONTENTS	PROGRAM PERIOD	Jun / 28 / 2010 ~ Aug / 7 / 2010
<p>(1)*Necessities of preventative maintenance *Sight Visits (Case study of deterioration of roads, case study of reformation of existing facilities, and so on) (2)*Basic theories on inspection measures *Road inspection techniques (including information analysis) (3)*Measures to analyse of acquired information *Various ways for repairing roads (4)*Road transportation policies of Osaka Prefecture and the process for it *Notion of "Lifecycle Cost" *Project evaluation system *Collaboration with local people and private sectors</p>	<p>IMPLEMENTING PARTNER</p>	<p>Construction Services in Kinki Region.</p>
	<p>JICA CENTER</p>	<p>JICA Osaka</p>
	<p>COOPERATION PERIOD</p>	<p>2008~2010</p>
	<p>REMARKS and WEBSITE</p>	<p>This seminar will be implemented twice for JFY 2009. The second one is scheduled from Aug.9.2010 to Sep.18.2010 in the same content, but will be conducted in French for French speaking countries.</p>

Information Management for Maritime Activity and Disaster Prevention (Internationally Accredited Category B Course for Hydrographic Survey) 海洋利用・防災のための情報整備		PITD Leaders 1080713 Sector : Transportation Sub-Sector : International / Inter-regional Transportation	
Target Countries: Maritime Countries		9 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To acquire International Accredited Category B for Hydrographic Survey.</p> <p>Through the course, participants are expected: a) to acquire knowledge and technique of hydrographic survey for preparing Nautical Charts b) to acquire the knowledge of concepts of GIS and use the hydrographic survey data for maritime activities c) to acquire the knowledge of maritime disaster prevention such as Earthquake and Tsunami</p> <p>Since the course is qualified for the International Accredited Category B for Hydrographic Survey, participants are given certificate of the Category B at the completion of the course.</p>	<p>[Target Organizations] National hydrographical offices or other relevant organizations responsible for carrying out hydrographical surveys of the sea</p> <p>[Target Group] Individuals with at least 2 years of occupational experience. A 2 year program of mathematics and physics, at least at technical college level, Individuals under 40 years old.</p>		
CONTENTS	PROGRAM PERIOD	Jun / 9 / 2010 ~ Nov / 26 / 2010	
<p>The program will be conducted in the form of lectures, practice, field training, and study tour. Details are as follows: (1) Hydrographic Survey (INTERNATIONALLY ACCREDITED CATEGORY B) (2) Computer (Programming, Database, etc.) (3) GIS (Hazard Map against Tsunami) (4) Tsunami, Earthquake (5) Marine Environment (6) On board training</p>	<p>IMPLEMENTING PARTNER</p>	<p>Hydrographic and Oceanographic Department, Japan Coast Guard</p>	
	<p>JICA CENTER</p>	<p>JICA Tokyo(Economy&Env.)</p>	
	<p>COOPERATION PERIOD</p>	<p>2006~2010</p>	
	<p>REMARKS and WEBSITE</p>	<p>Participants are given certificate of the Category B at the completion of the course. http://www1.kaiho.mlit.go.jp/jhd-E.html</p>	

Seminar on CNS(Communication,Navigation,Surveillance)Technology 航空通信・航法・監視(CNS)技術セミナー		PITD Leaders 1080744 Sector : Transportation Sub-Sector : International / Inter-regional Transportation 10 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objective] To acquire fundamental knowledge of Future Air Navigation System.</p> <p>[Expected Output] (1) Understand the problems of current air navigation / air traffic control system, (2) Understand fundamental knowledge on new navigation systems and transition planning toward the new system (3) Obtain techniques for the development of an original master plan for each country's new CNS (Communication, Navigation, and Surveillance) system</p>	<p>[Target Organizations] National Air Traffic Offices or relevant organizations responsible for carrying out air navigation or air control</p> <p>[Target Groups] (1) Individuals with more than 5 years' occupational experience in the field of current air navigation and air traffic control system (2) Individuals experienced in designing air navigation and air traffic control system (3) Individuals under 40 years old</p>		
CONTENTS	PROGRAM PERIOD	Aug / 22 / 2010 ~ Sep / 16 / 2010	
<p>The program will be conducted in the form of lectures, sites observation. Details are follows; (1) Problems of the current system (2) New Navigation System (New CNS System Based on FANS Concept, New Communication System, New Navigation System, New Surveillance System) (3) Implementation plan for CNS in Japan (Outline, Communication System, Navigation System, Surveillance system, Application for New System, User Facilities) (4) Facility Observation (5) Summary and Discussion</p>	IMPLEMENTING PARTNER	Air Traffic Services Department, Ministry of Land Infrastructure, Transport and Tourism	
	JICA CENTER	JICA Tokyo(Economy&Env.)	
	COOPERATION PERIOD	2002~2010	
	REMARKS and WEBSITE	Website http://www.mlit.go.jp/koku/english/index.html	

International Maritime Convention and Ship Safety Inspection 海事国際条約及び船舶安全検査コース		PITD Trainers 1080977 Sector : Transportation Sub-Sector : International / Inter-regional Transportation 12 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<ul style="list-style-type: none"> •Adjustment to the maritime international conventions in order to progress the ship survey, to share the skills of survey among surveyers. •Interpretation of IMO Conventions and Explanation of procedure of Survey of Maritime Safety. •Explanation of the present situation concerning application of IMO Conventions. •Explanation of Japanese and International regulation for Survey of Maritime Safety. 	<ul style="list-style-type: none"> (1)be an official in the field of ship safety administration such as Ship Inspectors, but not as seafarer, harbour master, pilot, consultant engineer etc (2)have a graduate degree in engineering or equivalents (3)have more than one year experience with item (4)be under fifty years of age (5)have a sufficient command of speaking and writing English 		
CONTENTS	PROGRAM PERIOD	Aug / 10 / 2010 ~ Nov / 20 / 2010	
<ul style="list-style-type: none"> •Lecture such as IMO trend and SOLAS Convention, Visiting Shipbuilding Yards and Ship Machinery Companies, and Development and discussion of action Plan. •Presentation and discussion of your Country Report. •Practical Training for New Ship Survey, Existing Ship Survey, PSC or Engine Survey. 	IMPLEMENTING PARTNER	Maritime Bureau, Ministry of Land, Infrastructure, Transport and Tourism	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

Advanced Maritime Education on Information Technology(Navigation) 情報技術応用海事教育(航海)		PITD Trainers 1080743 Sector : Transportation Sub-Sector : International / Inter-regional Transportation 5 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objectives] This program aims to improve the capacity of leaders of maritime education and to disseminate the knowledge and skills to participating organizations.</p> <p>[Outputs] 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>	<p>1) Be engaged in maritime education concerning operation control of vessels in developing countries. Teaching staff of educational institution is most appropriate. 2) Experience: (a) have experience of service on the sea for one year or longer, (b) have experience of maritime education for one year or longer, and have equivalent knowledge and skill to (a) 3) Educational Background: be a graduate of university or equivalent, have knowledge and skill equivalent to those required for Second or Third Grade Maritime Officer (Navigation), based on the '95 STCW treaty, having basic knowledge on RADAR-ARPA simulators and computers,</p>		
CONTENTS	PROGRAM PERIOD	Jun / 21 / 2010 ~ Dec / 4 / 2010	
<p>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</p>	IMPLEMENTING PARTNER	Marine Technical Education Agency, Marine Technical College	
	JICA CENTER	JICA Hyogo	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

Seminar on Aviation Security 航空保安セミナー		PITD Int.Dialogue 1080318 Sector : Transportation Sub-Sector : International / Inter-regional Transportation 14 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>(1)to acquire the basic and latest knowledge of internationally standardized aviation security measures and regulations such as ICAO annex 17, (2)to understand public administration system on aviation in Japan, especially, related aviation security measures and regulations, (3)to deepen basic knowledge of equipments and facilities for aviation security in Japanese airports and put it to practical use in order to comply with each country, (4)and to consider the role of aviation security measures. [output] 1. To deepen understanding of the importance of international aviation security by studying the Japanese systems and experiences 2.To acquire basic knowledge of aviation security and security control system practiced in Japan 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><Target Organizations> Central or local government in charge of the aviation security and management of airport</p> <p><Target Group> (1) University graduates or with equivalent academic backgrounds (2) Currently responsible for aviation security with more than five years of occupational experience (3) Have a sufficient command of spoken and written English,</p>		
CONTENTS	PROGRAM PERIOD	Jan / 16 / 2011 ~ Feb / 11 / 2011	
<p>(1) Civil Aviation in Japan (2) Airport Management System (3) Preventive Measures for Acts of Unlawful Interference Against Airplanes (4) Concrete Preventive Measures for Acts of Unlawful Interference Against Airplanes in Japan (5) Countermeasures for Hijacking</p>	IMPLEMENTING PARTNER	Airport Security Business Center	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2006~2010	
	REMARKS and WEBSITE		

Seminar on Port Facility Security for ASEAN Countries アセアン地域港湾保安セミナー		PRTD Int.Dialogue 1084123 Sector : Transportation Sub-Sector : International / Inter-regional Transportation 13 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<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>		
CONTENTS	PROGRAM PERIOD	Nov / 7 / 2010 ~ Nov / 27 / 2010	
<p>[Lectures] Maritime 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, Ship Security, Security Measures Related to Coast Guard, 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>	IMPLEMENTING PARTNER	Ministry of Land, Infrastructure, Transport and Tourism, Overseas Coastal Area Development Institute of Japan	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

Seminar on Port Cargo Transport & Port Environment Conservation for African Countries 港湾物流・港湾環境保全セミナー(アフリカ圏)		PRTD Int.Dialogue 1084144 Sector : Transportation Sub-Sector : International / Inter-regional Transportation 7 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p><Objectives> By the end of the program, the participants are expected to achieve the following; To acquire in-depth understanding on overall issues of ports and harbors and the experience of Yokohama port by sharing information among officials from respective country and Yokohama port.</p> <p>*Follow-up program of TICAD4</p> <p><Outputs> (1) to share issues on port and harbor operation and management (2) to share issues on maintenance of port equipment (3) to share issues on cooperation between public and private sectors in the operation of container terminals.</p>	<p><Target Organizations> National or Local Government organization for port management</p> <p><Target Group> (1) be college graduates, or have the equivalent academic background, (2) be currently a officer of national or local port and harbor office which are responsible for carrying out port administration, with at least five(5) years of the occupational experience, (3) have a sufficient command of spoken and written English to catch up with lectures,</p>		
CONTENTS	PROGRAM PERIOD	Jan / 16 / 2011 ~ Feb / 7 / 2011	
<p>[Lectures and discussion] Overview of Ports in Japan, Environmental Measures in Port Activities, History of Port Development, Planning & Management of the Port of Yokohama, Development of Container Terminals, Maintenance of Port Facilities, Role of Private Enterprises in Yokohama Port</p> <p>[Workshop] Country Report Presentation, Action Plan Presentation</p> <p>[Site visit] Study trip to port and harbor in Japan ※Since Yokohama Port is under the administration of Yokohama City, Observation to Yokohama Port as case example will be conducted frequently during the course.</p>	IMPLEMENTING PARTNER	Port and Harbor Bureau of Yokohama City	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE		

Road Management and Maintenance for Central Asian Countries 中央アジア地域 道路維持管理		PRTD Solution 1084031 Sector : Transportation Sub-Sector : National Transportation	
		16 participants / Russian	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objectives] 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.</p> <p>[Outputs] (1) To understand situation and structure of the road maintenance sector in Japan. (2) To understand road management and maintenance with the philosophy of life cycle cost. (3) To understand road management and prevention of disaster such as avalanche and collapse (4) To understand road design for the specific issues and the reduction of life cycle cost related to road management and maintenance in the cold region (5) To propose Action Plans based on understanding of the issues on road management and maintenance in respective countries</p>	<p>[Target Organizations] Central or Regional Governmental organization or public cooperation responsible for road management, operation, and maintenance</p> <p>[Target Group] - Graduate of University or equivalent in the field of civil engineering or equivalent - Technical officer in charge of road planning and maintenance - More than five (5) years experience in the field of road planning, road maintenance, or road management. - Ideally the age between 30 and 55</p>		
CONTENTS	PROGRAM PERIOD	May / 19 / 2010 ~ Jun / 29 / 2010	
<p><Preliminary Phase> -Preparation of Inception Report <Phase in Japan> (1) Present status and management system of road, bridge, and tunnel, etc. (2) Construction and management of concrete construction, (including site visit) including the view of life cycle cost. (3) Observation of disaster occurred in Hokkaido and repairment (tunnel collapse and landslide), prevention and countermeasure of disaster (making hazard map, slope management, Intelligent Transport System) (4) Road management and maintenance in cold region, such as snow removal, snow melting, and snow protection etc. Road design and construction in cold region. (5) Making action plan to improve the road maintenance and management. <Finalization Phase> -Submit the progress report within three(3) months after the training in Japan</p>	IMPLEMENTING PARTNER	Hokkaido Intellect Tank (HIT) Hokkaido Regional Development Bureau, Docco Co., Ltd	
	JICA CENTER	JICA Sapporo	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE	<p>This program is implemented twice in FY2010 as follows ; (A) May.19~Jun.29 (B) Nov.10~Dec.18</p>	

Road Engineering and Administration 道路技術		PITD Leaders 1080216 Sector : Transportation Sub-Sector : Urban Transportation	
		9 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The capabilities for road engineering and administration will be improved through acquiring comprehensive knowledge and know-how necessary for appropriate road administration and management. To reach the objective, the following are expected: 1) To recognize the importance of the road survey and planning, and acquire the above methods, 2) To understand the procedure of road designing and construction, and acquire the key points for the field work management, 3) To understand the road maintenance, repair and management system in Sapporo city through practical exercises, and to be able to consider the applicability in the respective countries, 4) To understand the system of legislation, finance, and administration concerning roads in Japan, and to be able to consider the applicability in the respective countries, 5) To propose an action plan to solve the problems in the respective countries applying the lessons learned throughout this course.</p>	<p>[Target Group] (1) Individuals nominated by each government in accordance with the proper procedures (2) University graduates or with equivalent technical qualifications in road engineering and administration, and with at least 5, preferably about 10, years of practical experience (3) senior technical officers in charge of urban road administration or urban road construction management in central or provincial government bodies (4) Individuals proficient in spoken and written English (5) Individuals over 30 and under 40 years of age (6) Individuals in good health and able to undergo the course of training</p>		
CONTENTS	PROGRAM PERIOD	Jul / 6 / 2010 ~ Sep / 11 / 2010	
<p><Preparatory Phase> Prepare a Country Report which describes the present situation, the direction and the problems related to road engineering in respective countries. <Curriculum in Japan> Lectures: Administrative Outline, Road Sector Outline, Survey, Road Planning, Road Design, Road Construction Techniques & Management, Road Maintenance, Road Management, Construction Contracts, Rainwater Drainage, Human Resource Development Practical Exercises: Construction design, Road maintenance, Rainwater Drainage (Maintenance of the drain pipe for rainwater drainage) Site visits & observation: Major facilities in Sapporo concerning road management, Road planning and construction sites, Asphalt and concrete plants, Road maintenance, Road conditions in cities outside Sapporo Discussions: Mid term Discussion, Final Discussion Presentation: Country Report presentation, Action Plan presentation</p>	IMPLEMENTING PARTNER	Sapporo City Transportation Bureau	
	JICA CENTER	JICA Sapporo	
	COOPERATION PERIOD	2006~2010	
	REMARKS and WEBSITE		

Planning the Operation and Maintenance System for Urban Railways 都市鉄道の運営・維持管理体制		PITD Solution 1080951 Sector : Transportation Sub-Sector : Urban Transportation	
Target Countries: Countries with urban railnetworks(urban railways, metro, LRT, MRT)		17 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<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.</p> <p>2. To understand the methods how to operate and maintain the urban railways in Japan.</p> <p>3. To be able to propose their operation and maintenance system suitable for their own countries' urban railways.</p> <p>4. To share and consider the proposal among the related officers in the organizations and report the progress to JICA Tokyo.</p>	<p>[_Target Organizations] Urban railways or Railways with urban railway lines.</p> <p>[Target Group] 1 Managers /senior officers of the planning dept.or fallow companies 2 University graduates with more than 5 years</p>		
CONTENTS	PROGRAM PERIOD	Jan / 13 / 2011 ~ Feb / 6 / 2011	
<ul style="list-style-type: none"> • 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. 	IMPLEMENTING PARTNER	Railway Bureau, Ministry of Land, Infrastructure, Transport and Tourism	
	JICA CENTER	JICA Tokyo(Economy&Env.)	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE	This program is designed for countries wihc have urban railways such as commuter rail, underground railway, LRT, and MRT.	

Environmentally Sustainable Transportation (EST) 環境的に持続可能な交通		PITD Solution 1080844 Sector : Transportation Sub-Sector : Urban Transportation	
		8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【OBJECTIVE】 Approaches and directions to promote Environmentally Sustainable Transportation system will be shared among planning officers in the participants organizations.</p> <p>【OUTPUTS】 (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>【TARGET ORGANIZATIONS/GROUP】 • 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	Jul / 5 / 2010 ~ Aug / 21 / 2010	
<p>This program is designed for transport/environ. govt. officers to bring awareness and encourage introducing Environmentally Sustainable Transportation system.</p> <p><1st Year> • Compile and organize own country issues though discussion. • Policies to introduce the EST to own country by deepening understandings comprehensive concepts of the EST. • Drafting an action plan and sharing with her/his organizations.</p> <p><2nd Year> • Review current situation and issues. • Policies for promoting EST • Review and revise the previous draft action plan, approved by the organization(s).</p> <p><3rd Year> • Strategic planning for action plan. • Drafting a detail plan for introducing EST system and a proposal strategic plan.</p>	IMPLEMENTING PARTNER	UN Centre for Regional Development	
	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.	

OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objectives] 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>[Outputs] (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>[Target Organizations] Organizations in charge of maintenance of mountain road</p> <p>[Target Group] Civil Engineers who is incharge of maintenance of mountain road</p>		
CONTENTS	PROGRAM PERIOD	Oct / 25 / 2010 ~ Dec / 18 / 2010	
<p>(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: Trial Dissemination Activity</p>	IMPLEMENTING PARTNER	Ministry of Land, Infrastructure, Transportation and tourism, Kinki Regional Development Bureau	
	JICA CENTER	JICA Osaka	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE		

Disaster Mitigation, Preparedness and Restoration for Infrastructure インフラ施設の自然災害に対する抑止・軽減対策及び復旧対策	PRTD Trainers 1080221 Sector : Transportation Sub-Sector : Other Transportation Issue	15 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>This training program aims to improve disaster mitigation, preparedness and restoration measures for infrastructures by introducing the measures taken in Japan.</p> <p>[Outcome] Appropriate mitigation, preparedness and restoration measures will be formulated through the program and be implemented.</p> <p>[Output] (1)To understand all of conditions related to various kinds of disasters and the similarities and differences between them. (2)To understand new confidence and capabilities for the application of special engineering methods for practical disaster prevention, mitigation and restoration (3)To understand the relation and the balance between utility and disaster or between lifecycle cost and disaster in infrastructure development projects (4)Plan to disseminate applicable techniques to the other engineers will be developed.</p>	<p>(1) University graduates or with equivalent qualifications in infrastructure management, i.e. civil engineering, and with at least 3 years of experience in management, including administration of disaster mitigation (2) Officials of central or local government who hold, or will assume positions in charge of restoration works in the event of major disaster (3) Age: under 40 years old</p>		
CONTENTS	PROGRAM PERIOD	May / 10 / 2010 ~ Jul / 24 / 2010	
<p>This program includes lectures and practices on (1) the outline of the great Hanshin earthquake (2) the mechanism of earthquake disaster (3) aseismic technology (4) predicting earthquake (5) mechanisms of ordinary disasters in rivers and roads (6) a disaster prevention plan (7) a disaster-prevention-city plan (8) activities during the initial stage and rescue system (9) evacuation measures (10) protection of lifeline (11) communication during disasters (12) disaster prevention (13) disaster rescue method and its application (14) administrative work of reconstruction for restoration (15) making an action plan for prevention of disaster individually (disaster restoration plan) * Participants are required to make and present an action plan at the end of the program. * The contents of the program above will be subject to change according to the disaster types encountered by the Target Countries.</p>	IMPLEMENTING PARTNER	Ministry of Land, Infrastructure, Transportation and tourism, Kinki Regional Development Bureau	
	JICA CENTER	JICA Osaka	
	COOPERATION PERIOD	2006~2010	
	REMARKS and WEBSITE	http://www.mlit.go.jp/index_e.html	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Objectives] This program aims to share the skills and knowledge necessary for educators of marine engineering (including planning of education scheme etc.) in the organizations which implement the maritime education and training of marine engineering.</p> <p>[Outputs] (1) To be able to explain about marine engine system, latest marine related machinery and equipment, international treaties related with seafarers. (2) To be able to explain about education and training method and seafarers' ability evaluation method based on knowledge of international safety management system and its operation. (3) To be able to explain about vessel management, preventive maintenance and corrective maintenance of engine and maintenance plan, and practice on engine maintenance. (4) To be able to explain about effective training method using simulator. (5) To understand present situation of marine transportation and to make an action plan. (6) To implement an action plan to share skills and knowledge to colleagues.</p>	<p>[Target Organizations] Educational institutes for seafarers.</p> <p>[Target Group] (1) Current Duties: be engaged in maritime education on marine engineering in developing countries (2) Experience: have experience of service on the sea for one (1) year or longer as a marine engineer or have equivalent knowledge and skills to (a), and (b) have experience of operation and management of vessel and maritime education for one (1) year or longer</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Jun / 8 / 2010 ~ Dec / 4 / 2010</p>
<p>[Preliminary Phase in a participant's home country] Formulation of Job Report [Core Phase in Japan] 1-1) various system, latest machinery and equipment related with marine engine, 1-2) lecture on international maritime treaty adopted by IMO, 1-3) practice on board by training ship, 1-4) Fire fighting drill against fire accidents at engine room by Maritime disaster prevention center, 2-1) lecture on ISM, ISPS code, PSC, etc., 2-2) training using engine room simulator, remote operation simulator, etc., 2-3) observation of port facilities and maritime industries, 3-1) lecture on vessel management, 3-2) observation of maritime industries and operation facilities, 3-3) practice on maintenance of marine equipments, 4-1) training using engine room simulator and remote control simulator, 4-2) lecture on maritime education method, maritime education system, etc., 5-1) formulation of action plan for dissemination of education method in participant's country (workshop for colleagues, etc), promotion of effective self-development by periodical correction [Finalization Phase in a participant's country] Implementation of the action plan.</p>	<p>IMPLEMENTING PARTNER</p>	<p>Maritime Technical Education Agency, Marine Technical College (MTC)</p>
	<p>JICA CENTER</p>	<p>JICA Hyogo</p>
	<p>COOPERATION PERIOD</p>	<p>2008~2010</p>
	<p>REMARKS and WEBSITE</p>	<p>Participants make action plan to disseminate the result of the training course in order to improve the method and contents of maritime education.</p>

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>This training aims to cooperate to improve capacity of target countries to consider environmental and social impact in infrastructure development by introducing examples of Japan.</p> <p>[Outcome] The plan to improve the consideration to environment and social impact of Public Works will be approved to implement in the participating organizations.</p> <p>[Outputs] (1) Civil engineers will analyze the issues of consideration of environmental and social impact in public works. (2) Techniques which can be applied in participatign organizations will be analysed from examples of Japan</p>	<p>[Target Organizations] The organization for executing infrastructure development in developing countries</p> <p>[Target Group] <Position>Civil engineers in administrative position in charge of implementing Public Works <Experience> Three-year experience in related field</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Sep / 27 / 2010 ~ Nov / 20 / 2010</p>
<p>(1) Presentation: Job Report Discussion: Issues of each country. (2) Lecture: The progress of the environmental problem in Japan. (3) Lecture and observation: The training for practical environmental countermeasures. (4) Practice: Action plan making.</p>	<p>IMPLEMENTING PARTNER</p>	<p>Ministry of Land, Infrastructure, Transportation and tourism, Kinki Regional Development Bureau</p>
	<p>JICA CENTER</p>	<p>JICA Osaka</p>
	<p>COOPERATION PERIOD</p>	<p>2008~2010</p>
	<p>REMARKS and WEBSITE</p>	<p>http://www.mlit.go.jp/</p>

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Based on the action plan prepared by participants, the fundamental direction for improvement and/ or solution of issues and problems about maritime search and rescue and disaster prevention is identified in the organizations which have a duty of Maritime SAR (search and rescue) and disaster prevention.</p> <p>【Outputs】(1) To be able to clarify and understand the present situation, issues and problems of SAR and maritime disaster prevention of participants' countries.(2) To be able to clarify and understand international framework, knowledge and skills on maritime SAR.(3) To be able to clarify and understand issues on international framework, knowledge and skills regarding disaster prevention and method of combating oil, harmful and hazardous substances.(4) To be able to clarify and understand issues on services and system of Coast Guard.(5) To be able to formulate the action plan for solution of issues and problems on SAR and disaster prevention system in participants' countries.(6) To implement the action plan.</p>	<p>【Target Organizations】 Organizations which have a duty of SAR and maritime disaster prevention.</p> <p>【Target Group】 (1) Current Duties: be administrative officials presently engaged in the field of maritime search and rescue and/or maritime disaster prevention. (2) Experience in the relevant field: have more than five (5) years' experience in the field of maritime search and rescue and/or maritime disaster prevention. (3) Educational Background: be a graduate of university or equivalent.</p>	
CONTENTS	PROGRAM PERIOD	Aug / 23 / 2010 ~ Nov / 14 / 2010
【Preliminary Phase in a participant's home country】	IMPLEMENTING PARTNER	Japan Coast Guard Association
Formulation and submission of Country Report	JICA CENTER	JICA Hyogo
【Core Phase in Japan】	COOPERATION PERIOD	2008~2010
(1) Present situations of SAR and disaster prevention system of home country	REMARKS and WEBSITE	Japan Coast Guard and The 5th Regional Coast Guard Headquarters mainly arrange and implement this course.
(2) SAR		
(3) Disaster prevention		
(4) Services and system of JCG (Japan Coast Guard)		
(5) Action plan		
【Finalization Phase in a participant's home country】		
Implementation of the activity based on the action plan made by a participant in the participant's country and submission of its final report regarding achievement and situation of above activity within 3 months after core phase in Japan.		

