



7. Transportation

Road Engineering and Administration 道路技術		GROUP  0880216
Target Countries: Countries with less than 50% sealed roads (national average)		Transportation—National Transportation 7 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
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.	【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 road administration or 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	
CONTENTS	PROGRAM PERIOD	July.8.2008～Sept.13.2008
<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: Presentation: Country Report presentation, Action Plan presentation	IMPLEMENTING PARTNER	Construction Bureau, City of Sapporo
	JICA CENTER	JICA Sapporo
	COOPERATION PERIOD	2006～2010
	REMARKS	

Seminar on Air Traffic Management 航空交通管理セミナー(20年度休止)		 0880400
		Transportation—International / Inter-regional Transportation 10 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
Participants are expected to: (1) To understand the administrative system of civil aviation in Japan, (2) To understand the development and present situation of Air Traffic Services in Japan, (3) To understand the development and present situation of Air Traffic Control Services in Japan, and (4) To review the problems of Air Traffic Control Services and Air Traffic Services in the countries of the participants	(1) Individuals with no less than 3 years of experience in the field of Air Traffic Management (2) Air Traffic Controller who is expected to be engaged in the management of Air Traffic Control (ATC) or Air Traffic Services (ATS) in Air Traffic Control organizations in future is preferable. (3) Age: under 40 years old	
CONTENTS	PROGRAM PERIOD	
In this program, the following will be covered through lectures, discussions and observation trips. (1) Civil Aviation and Transportation in Japan (2) Air Traffic Services at present and in future (3) Air Traffic Management in Japan (4) Country Report Presentation (5) Observation at Airports, Area Control Centers (6) Study Report Presentation	IMPLEMENTING PARTNER	CIVIL AVIATION BUREAU, MLIT
	JICA CENTER	JICA Tokyo
	COOPERATION PERIOD	1981～2009
	REMARKS	This program is conducted biannually. The next seminar will be held in fiscal year 2009.


Target Countries: Maritime countries


4 participants / English


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Through the course, participants are expected:</p> <p>(1) to acquire knowledge and technique of hydrographic survey for preparing Nautical Charts (2) to acquire the knowledge of concepts of GIS and use the hydrographic survey data for maritime activities (3) 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	
<p>The program will be conducted in the form of lectures, practice, field training, and study tour. Details are as follows:</p> <p>(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>	IMPLEMENTING PARTNER	May.11.2008~Dec.4.2008 Hydrographic and Oceanographic Department
	JICA CENTER	JICA Tokyo
	COOPERATION PERIOD	2006~2010
	REMARKS	Participants are given certificate of the Category B at the completion of the course.


5 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The program objective is to acquire fundamental knowledge of Future Air Navigation System.</p> <p>Participants are expected to achieve the following:</p> <p>(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	
<p>The program will be conducted in the form of lectures, sites observation. Details are follows;</p> <p>(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	Oct.2.2008~Nov.1.2008 Civil Aviation Bureau, MLIT
	JICA CENTER	JICA Tokyo
	COOPERATION PERIOD	2002~2010
	REMARKS	

Shipping Administration for ASEAN members 海事行政(ASEAN諸国対象)		GROUP 	0880791
Target Countries: ASEAN member countries that faced on the sea		7 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>After this training finished, the high class officer responsible for shipping administration of the ASEAN member country become making their policy in line with global standards of the international shipping.</p> <p>(1) Understand current stream of world shipping and Japanese shipping (2) Understand government policy on shipping and shipping related sectors (3) Understand the roles and functions of agencies related to shipping administration and its cooperation (4) Understand the private activities of shipping business, shipping management, insurance (5) Understand the developing shipping policy</p>	<p><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</p>		
CONTENTS	PROGRAM PERIOD	Dec.2008~Dec.2008	
<p>The following subjects will be covered in this program through lectures, observations and discussions</p> <p>(1) Maritime transportation (2) Shipping administration (3) Private sector of shipping and shipping related sector (4) Development of shipping policy for shipping sector on participant's country</p>	IMPLEMENTING PARTNER		
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2008~2010	
	REMARKS		

Seminar on Airport Engineering Policy 空港技術・政策セミナー		GROUP 	0880878
Target Countries: Countries with airports		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>Participants are expected to identify existing problems in their airports and suggest alternative policies for airport engineering by:</p> <p>(1) Understanding the airport system and policies in Japan (2) Understanding airport construction, planning, maintenance, administration and management in Japan (3) Examining the administration system in the privatized airports (4) Examining measures to improve airport safety</p>	<p><Target Organizations> Central or local government in charge of Civil Engineering, Architecture, Maintenance, Airport Safety, or Administration <Target Group> (1) University graduates in Civil Engineering, Architecture, Electrical or Mechanical Engineering or with equivalent knowledge (2) Airport engineers currently employed by their governments or public authorities for civil aviation (3) Individuals with more than 5 years of occupational experience (4) Have a good command of spoken and written English</p>		
CONTENTS	PROGRAM PERIOD	Oct.21.2008~Dec.13.2008	
<p>The following subjects will be covered in this program through lectures, observations and discussions on;</p> <p>(1) Overview of Airport Engineering Policy Civil Aviation, Airport Projects, Civil Aviation Policy (2) Airport Technology Airport Planning, Designing, Construction and Maintenance of Airports (3) Airport Operations Airport Operation Strategy, Modernization, Environmental Considerations, Privatization (4) Global Trend on Airports Airport Security</p>	IMPLEMENTING PARTNER	THE OVERSEAS COASTAL AREA DEVEL, INSTITUTE OF JAPAN	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2004~2008	
	REMARKS		

Comprehensive Bridge Engineering 橋梁総合コース		GROUP  0880948
Transportation—Other Transportation Issues Urban/Regional Development—Urban/Regional Development 14 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The objective of the program is to provide opportunities to learn the general techniques of bridge engineering used in Japan (including the planning, design and construction of bridges) so that the participants will be able to improve bridge engineering technology and contribute to the development of their countries.</p> <p>Participants are expected to be able to explain the points to be considered on:</p> <ol style="list-style-type: none"> 1. The design of bridges 2. The construction and construction supervision of various types of bridges (RC, PC and steel bridges) 3. The maintenance and repair of various types of bridges 	<ol style="list-style-type: none"> (1) University graduates (civil engineering) or equivalent (2) Individuals with occupational experience of more than three years (3) Individuals presently engaged in bridge construction and expected to have a leading position in bridge construction (4) Age: under 40 years old <p>The level and contents are suitable for mid-level engineering.</p>	
CONTENTS	PROGRAM PERIOD	Oct.6.2008~Dec.5.2008
<p>In this program, the following major subjects will be covered through lectures, practices, discussions and observation trips:</p> <ol style="list-style-type: none"> (1) Plan and Design of bridges (2) Construction of various kinds of bridges (3) Maintenance of various kinds of bridges (4) Formulation and Presentation of an Action Plan by the participants <p>The course topics mainly concern Steel Bridges, PC Bridges and RC Bridges, but masonry (stone) bridges are not included.</p>	IMPLEMENTING PARTNER	ROAD BUREAU, MLIT
	JICA CENTER	JICA Tokyo
	COOPERATION PERIOD	2005~2009
	REMARKS	<p>Since the program of bridge engineering is very comprehensive, it is suitable for engineers who are expected to learn all round bridge engineering.</p>

Seminar on Road Administration 道路行政セミナー		GROUP  0880949
Transportation—Capacity Development for Transport Sector Urban/Regional Development—Urban Development 14 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The program objective involves enhancing the capacity of road planning of mid-level officers who are in charge of road planning for the target organizations. To achieve the objective, the participants' outputs are as follows:</p> <ol style="list-style-type: none"> (1) Understand the process of road planning and points to consider thereof (2) Understand the effects of road development, the way to grasp them and the evaluation method of the project (3) Understand the process of road structure planning (including bridges and tunnels) and points to consider thereof (4) Understand road design standards and their applications 	<p>[Target Organizations] Government or Government-related organizations responsible for the formulation of road planning</p> <p>[Target Group] <ol style="list-style-type: none"> (1) Mid-level officers in charge of road planning and expected to be assigned to leading positions in future (2) University graduates specialized in civil engineering or equivalent (3) 35 years old or younger (desirably) </p>	
CONTENTS	PROGRAM PERIOD	Sep.30.2008~Oct.31.2008
<p><Preparatory Phase in home country> Learning "Road in Japan" through the Web site</p> <p><Program in Japan:> •Modules <ol style="list-style-type: none"> (1) Road Planning (2) Road Network Planning (3) Road Traffic Economy (4) Planning of Road Structures (bridges and tunnels) (5) Road Structure Ordinance • The program is composed of report writing/presentation, road network practice, site visits to general roads and highways, and observation of research institutions as well as lectures. • Details are subject to change.</p>	IMPLEMENTING PARTNER	ROAD BUREAU, MLIT
	JICA CENTER	JICA Tokyo
	COOPERATION PERIOD	2005~2009
	REMARKS	<p>The level and contents of the program are suitable for mid-level officers.</p>

Target Countries: Countries with urban rail networks(urban railways,metro,LRT,MRT)

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The objective of the course is to formulate an improvement plan for the management of urban railway companies or railway companies with urban railway lines in developing countries.</p> <p>Participants are expected to:</p> <p>(1) Understand the overview of railway management (including railway-related business),</p> <p>(2) Understand the approach of reform and privatization of railways in Japan, and</p> <p>(3) Propose an improvement plan by analyzing issues of the railway country in participating countries.</p>	<p>[Target Organizations] Urban railways or Railways with urban railway lines</p> <p>[Target Groups] (1) Managers/senior officers of the planning dept. of railway companies (2) University graduates with more than 5 years experience (3) Individuals under 45 years old</p>	
CONTENTS	PROGRAM PERIOD	Jan.13.2009~Feb.6.2009
<p>The program consists of lectures, observations, discussions, and report presentation.</p> <p>(1) Overview of railway management in Japan. Characteristics of Japan's railway sector / Japan's railway administration, personnel strategy and human resources development / Multilateral business activities / Local railway management</p> <p>(2) The approach to the reform and privatization of railways in Japan Management after privatization/case study</p> <p>(3) Report presentation</p>	IMPLEMENTING PARTNER	RAILWAY BUREAU, MLIT
	JICA CENTER	JICA Tokyo
	COOPERATION PERIOD	2005~2009
	REMARKS	<p>This program is designed for countries which have urban railway(s) such as commuter rail, underground railway, LRT (Light Rail Transit) and MRT (Mass Rapid Transit)</p> <p>In 2007 the program will be focused on "Urban Railway Transportation".</p>

Target Countries: Maritime countries


4 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Through this training course, participants will acquire knowledge and skills in education and training for maritime affairs, maritime service control and safety systems which are obliged or recommended worldwide by international treaties for protection of the marine environment and prevention of marine accidents. And they will improve the capacity of leaders who can exercise their abilities fully to plan, implement, evaluate and improve maritime education and training in areas of maritime education, maritime administration, industries related to maritime affairs.</p> <p>【Outputs】 To achieve the above mentioned objective, participants will learn the following: 1) international background on marine transportation safety 2) role of seafarers education for marine transportation safety 3) implementation and evaluation of seafarers education and training 4) application of information technology for seafarers education 5) application of information technology for marine transportation safety</p>	<p>【Target Organizations】 Organization engaged in maritime education concerning operation control of vessels in developing countries.</p> <p>【Target Group】 (1) be engaged in maritime education concerning operation control of vessels in developing countries, Teaching staff of educational institution is most appropriate. (2) (a) have experience of service on the sea for one year or longer, or (b) have experience of maritime education for one year or longer, and have equivalent knowledge and skill to (a), or (c) have experience of operating control of vessel for one year or longer; and have equivalent knowledge and skill to (a), (3) 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, (4) be able to disseminate knowledge and skills acquired from this training course after returning to their home countries, and (5) be able to submit the report about post-training activities in 6 months after returning to their home countries.</p>	
<p style="text-align: center;">CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>May.26.2008~Dec.6.2008</p>
<p>【Preliminary Phase in a participant's home country】 Formulation and submission of Job Report</p> <p>【Core Phase in Japan】 (1) International Maritime Convention and Disasters (2) Present Education for Seafarers (3) Simulator Training (4) Practice on Board (5) Marine Disaster Prevention Training (6) Deck Work Management (7) Navigation Information Processing (8) Marine Meteorology (9) International Regulations and Conventions (10) The Safety Transportation of Ocean Cargo (11) Maritime Information Network (12) Nautical Information System (13) Terrestrial and Electronic Navigation (14) Marine Environmental Prevention (15) Cross Cultural Communication (16) ISM Code and Port State Control (17) ISPS Code and Port State Control (18) Visiting Factories (19) SEMINAR at Laboratory</p> <p>【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.</p>	<p>IMPLEMENTING PARTNER</p> <p>JICA CENTER</p> <p>COOPERATION PERIOD</p> <p>REMARKS</p>	<p>MARINE TECHNICAL COLLEGE</p> <p>JICA Hyogo</p> <p>2007~2009</p>

Target Countries: maritime countries which emphasize maritime education/industry

7 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 This program aims to improve the teaching ability of educators of marine engineering (including planning of education scheme), to deepen knowledge and skills required for seafarers, to transfer technology and share knowledge and skills by diffusion of knowledge and skills for the peoples engaged in marine engineering.</p> <p>【Outputs】 I To achieve this program objective, participants are expected in Japan; (1) To understand marine engine system, latest marine related machinery and equipment, international treaties related with seafarers, and to develop practical abilities (2) To understand education and training method and seafarers' ability evaluation method based on knowledge of international safety management system and its operation, and to develop practical abilities (3) To understand vessel management, preventive maintenance and corrective maintenance of engine and maintenance plan, and practice on engine maintenance. (4) To acquire knowledge and skills on effective education and training method using simulator (5) To understand present situation of marine transportation, to make a work plan and action plan and to promote self-development II In participants' home country, it is also expected that the action plan is approved by the organization concerned.</p>	<p>【Target Organizations】 Educational institutes for seafarers.</p> <p>【Target Group】 1) Current Duties: be engaged in maritime education concerning marine engineering in developing countries 2) Experience: (a) 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 3) Educational Background: be a graduate of university or equivalent, have knowledge and skills equivalent to those required for Japanese Second or Third Grade Maritime Officer (Engineering), based on the '95 STCW treaty. 4) Language: have a competent command of spoken and written English (This program includes active participation in discussions, action plan development, thus requires high competence of English ability.)</p>	
<p style="text-align: center;">CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>July.28.2008~Feb.7.2009</p>
<p>【Preliminary Phase in a participant's home country】 Formulation and submission of Country Report</p> <p>【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) education and 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 5-2) formulation of work plan and promotion of effective self-development by periodical correction 5-3) seminar (individual research) on the theme of education and training method, marine engine and system</p> <p>【Finalization Phase in a participant's home country】 Application and implementation of the action plan back in the participant's country and submission of its final report by Aug. 2009.</p>	<p>IMPLEMENTING PARTNER</p>	<p>Maritime Technical Education Agency, Maritime Technical College</p>
	<p>JICA CENTER</p>	<p>JICA Hyogo</p>
	<p>COOPERATION PERIOD</p>	<p>2008~2010</p>
	<p>REMARKS</p>	

Urban Environment and Transportation 都市環境と交通		GROUP  0880844
		Transportation—Urban Transportation
		10 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>This program aims to provide the participants with a better understanding of the concept of environmentally sustainable transportation (EST) system and a venue for sharing their ideas and experiences to incorporate the concept. The course also offers an opportunity to learn from Japanese experiences while enabling participants to exchange their ideas, experiences, and technical expertise.</p> <p>COURSE OBJECTIVES: The idea of EST shall be disseminate to persons concerned in own country by understanding points of making policies/programs/projects to introduce EST to own country.</p> <p>Each modules focus to achieve the following outputs: (1) To identify urban environmental problems and issues relating transportation in own country. (2) To consider policies to introduce the EST to own country in the context to its conditions by deepening understandings comprehensive concepts of the EST, important items and their issues, strategies, its promotion policies, successful cases, and respective means. (3) To set the direction of policies, programs, projects for EST promotion and their knowledge disseminating methods.</p>	<p>TARGET ORGANIZATIONS: This program is designed for the environmental division of the Ministry of Transport or the transport division of the Ministry of Environment, or the related organization.</p> <p>TARGET GROUP: Mid-level officials engaging in making policies (or programs/projects) on transportation relating to environmental conservation issues. At least 3 to 5 years of experience in transportation field and a university degree or equivalent.</p>	
CONTENTS	PROGRAM PERIOD	Sep.29.2008~Nov.8.2008
<p>(1) PRELIMINARY PHASE: Participants will create an inception report, describing the specific urban environment problems caused by transportation, their countermeasures, and constraints tackled by the participant's organization.</p> <p>(2) CORE PHASE IN JAPAN: 1) To identify transportation-related environmental problems (Presentation of the inception report) 2) To understand the overall concept of EST, its policy, key aspects of EST, best practices, tools to achieve EST, etc. (vehicle emission control, transport demand management, roadside air quality monitoring and assessment, cleaner fuels, road maintenance/safety, land-use planning in transport planning, traffic noise management) 3) To set the direction and strategies for promoting EST and to disseminate what they have learned from the training program and contents of their interim report (group discussion, interim report-making)</p> <p>(3) FINALIZATION PHASE: After the participants' return 1) The direction of policies/programs/projects to introduce EST to their own countries, including how to cooperate with relevant organizations and pilot project planning, is examined and activities to disseminate what they have learned from the training program and the contents of their interim report are executed. 2) The result of the actions taken by the organization and the participant are reported in the final report.</p>	IMPLEMENTING PARTNER	United Nations Centre for Regional Development
	JICA CENTER	JICA Chubu
	COOPERATION PERIOD	2004~2008
	REMARKS	

Design and Maintenance of Mountain Road in South West Asia and Indochina Countries 南西アジア・インドシナ地域 山岳道路設計維持管理		R/F  0884149
Target Countries: South Asian and Indochina Countries		Transportation—Rural Transportation 5 participants / English
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 【Target Group】 Civil Engineers who is incharge of maintenance of mountain road</p>	
CONTENTS	PROGRAM PERIOD	Oct.27.2008～Dec.13.2008
<p>(1)Presentation: Job Report Discussion: Issues in participants organization Observation: Mountain road near JICA Osaka Discussion: Issue analysis (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 and Transport
	JICA CENTER	JICA Osaka
	COOPERATION PERIOD	2008～2010
	REMARKS	

Target Countries: Countries with one of more cities of population more than 1 million


14 participants

English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The participants will propose policies for enhancing the public transport service function and improvement plan for the system in a big city with a population of one million or more, focusing on various aspects of public transportation such as private sector services, regulatory measures on environment impact, transportation measures for the weak and cooperation among different means of transportation in their countries.</p> <p>In order to strengthen the institutional capacity of public urban transportation system, participants are expected;</p> <p>(1) To identify problems related to the current urban public transport system in respective countries, and</p> <p>(2) To propose responsive measures and their application to the above-mentioned problems.</p>	<p>Eligible / Target Organization: This program designed for central/local governments responsible for the formulation of urban public transport policies.</p> <p>Nominees should;</p> <p>(1) be administrative officers with a position of section chief and the like, who is in charge of planning and implementing urban transport polices</p> <p>(2) be expected to find a position of responsibility in an above-mentioned organization after returning home and ultimately become one of the top executives, who decides policy in the field of urban public transport</p> <p>(3) have a university degree or equivalent academic background, with at least 10 years of professional experiences in urban public transport, and be at age forty five (45) years or younger</p>	
CONTENTS	PROGRAM PERIOD	Jan. 13. 2009~Feb. 28. 2009
<p>Preliminary Phase Choose the issue for which the organization to which the participant is attached has responsibility and is expected to find the solution for that problem. In addition, elaborate an Inception Report to secure the situation concerning the problems. (The organization needs to recognize the contents of the report.)</p> <p>Core Phase in Japan The program consists of lecture, site study tour and discussion. The main subject are as follows:</p> <ol style="list-style-type: none"> 1) Urban transport policy, and planning 2) Traffic Demand Management 3) Social/environmental considerations 4) Various transportation systems and modes 5) Case study of urban transport and development 6) Colloquium sessions (report presentation and discussion) 7) Drawing up and Presentation of Interim Report <p>Finalization Phase The concepts and implementation plan proposed in the Interim Reports are reviewed and examined within the government. The returned participants collect comments from them, integrate into the original reports, and write final improvement plans in the Final Report.</p>	<p>IMPLEMENTING PARTNER</p> <p>JICA CENTER</p> <p>COOPERATION PERIOD</p> <p>REMARKS</p>	<p>JICA Tokyo</p> <p>2008~2010</p>

Marine Search and Rescue and Disaster Prevention Course for Policy Planners 海難救助・海上防災		GROUP  0880807
Target Countries : maritime country		Transportation—Other Transportation Issues 14 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 This program aims to realize the implementation of actions for improvement and/or solution of issues and problems about maritime search and rescue and disaster prevention in participants' organizations which have a duty of SAR (search and rescue) and maritime disaster prevention based on the action plan prepared by participants.</p> <p>【Outputs】 I To achieve this program objective, participants are expected in Japan; (1) To be able to explain about the present situation, issues and problems of SAR and maritime disaster prevention of participants' countries. (2) To be able to explain about international framework, knowledge and skills on maritime SAR. (3) To be able to explain about international framework, knowledge and skills regarding disaster prevention and method of combating oil, harmful and hazardous substances. (4) To be able to explain about services and system of JCG (Japan Coast Guard). (5) To be able to formulate the action plan for solution of issues and problems regarding SAR and disaster prevention in participants' countries.</p> <p>II In participants' organization, it is also expected that participant will take the action based on 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 4) Health: must be in good health, both physically and mentally, to participate in the Program in Japan 5) Must not be serving any form of military service.</p>	
CONTENTS	PROGRAM PERIOD	July.28.2008~Nov.8.2008
<p>【Preliminary Phase in a participant's home country】 Formulation and submission of Country Report</p> <p>【Core Phase in Japan】 (1) Present situations of SAR and disaster prevention system of home country 1) To understand and analyze the present situations of SAR and disaster prevention system of home country and identify its issues and problems. 2) To make and present a country report on the above mentioned topics. (2) SAR 1) Lecture on knowledge about maritime SAR 2) Lecture, exercise and observation of related facilities on actual SAR methods 3) SAR Table-Top Drill (3) Disaster prevention 1) Lecture on basic knowledge about disaster prevention. 2) Lecture, exercise and observation of related facilities on properties of oil, harmful and hazardous substances, combating method, etc.. 3) Observation of disaster prevention drill by local government, etc. (4) Services and system of JCG (Japan Coast Guard) 1) Lecture on maritime transportation safety countermeasures, international cooperation and education system of JCG. (5) Action plan 1) Lecture and exercise on formulation of action plan for solution of issues and problems on SAR and disaster prevention system. 2) Formulation and presentation of action plan for solution of issues and problems identified by each participant.</p> <p>【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 by May, 2009.</p>	IMPLEMENTING PARTNER	Japan Coast Guard, The 5th Regional Coast Guard Headquarters.
	JICA CENTER	JICA Hyogo
	COOPERATION PERIOD	2008~2010
	REMARKS	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Systems or organizations related to cargo transport will be improved by means of the facilitation ability and knowledge on cargo transport acquired through the training and dialogue program.</p> <ol style="list-style-type: none"> 1. To study how to find and analyze problems and how to find solutions of Cargo Transportation in participant's country 2. To understand the efficient administrative (governing) system of Cargo Transport implemented in Japan. 3. To learn the Japanese model of planning, management, system view points of Cargo Transport and foster the ability to think over them 4. To make a proposal or action plan to facilitate and implement Cargo Transport project, applying the knowledge and techniques acquired through training program. 	<ol style="list-style-type: none"> 1. Individuals currently engaged in the field of cargo transport at governmental or public organizations, with at least 3 years of experience in this field 2. Individuals not engaged in the fields of road construction and management, traffic survey and control, and passenger transport 3. University graduates or equivalent 4. Individuals proficient in speaking and writing English 5. Age: 28-45 years old 	
CONTENTS	PROGRAM PERIOD	May.12.2008~Jun.28.2008
<p><Preparatory phase> Three kinds of reports will be created: (1) A Country Report describing the current situation of cargo transport in one's own country (2) A Job Report describing one's own responsibility in the respective organization (3) An Inception Report describing the vision related to the modernization of cargo transport over the next decade</p> <p><Program in Japan> Propose systems or organizations for improving cargo transport and create an action plan showing how to improve them. The following subjects will be addressed: (1) Cargo transport administration (2) Freight management (3) Cargo transport facilities management (4) Informatization (5) Cargo transport technology (6) Facilitation for the modernization of cargo transport</p> <p><Post-program activities> After the participants' return (1) To submit a proposal to the respective supervisor and implement the Action Plan (2) To submit a Progress Report describing the progress in realizing the Action Plan</p>	IMPLEMENTING PARTNER	AICHI INDUSTRIAL RESEARCH ASSOCIATION
	JICA CENTER	JICA Chubu
	COOPERATION PERIOD	2004~2008
	REMARKS	

Road management and maintenance for Central Asian Countries 中央アジア地域 道路維持管理		R/F  0884031
Target Countries: Central Asia		Transportation—Transportation 12 participants / Russian
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Action Plans for effective road management with budgetary constraints shall be proposed by each participant based on analysing problems/issues related to the condition of respective countries, and further the concrete solutions shall be discussed among the respective organizations after completion of the training in Japan.</p> <p>【Outputs】 (1) To understand present situation and administrative structure for the road management and maintenance in Japan (2) To understand road management and maintenance for reduction of the total cost (life cycle cost) from construction phase to maintenance and destruction, and management method of appropriate repair etc. (3) To understand road management and maintenance and disaster prevention activities in a time 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 draft Action Plans based on understand 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 planing and maintenance - More than five (5) years experience in this field - Ideally the age between 30 and 55</p>	
CONTENTS	PROGRAM PERIOD	Nov.12.2008~Dec.20.2008
<p><Preliminary Phase> (1) Preparation of Inception Report <Phase in Japan> (1) •Present status of road, bridge, and tunnel, etc. in Japan •Administrative mechanism, laws, measures and budget allocation regarding road management and maintenance •Know-how of repair/reconstruction plan and coordination method •Subcontracting and project coordination regarding road management and maintenance •Training method for road management engineer (2) •Construction and quality management of road for long operating life (including site visit) •Daily check and maintenance of road, bridge, and tunnel, etc. (including site visit) •Road management method with the concept of life cycle cost and asset management (optimally-positioned O&M, including site visit) (3) •Observation of disaster occurred in Hokkaido and the repairment (tunnel collapse and landslide) •Traffic control and information transmission in time of disaster •Forecast of disaster hazard areas (make the hazard map) (4) •Activity for snow removal, snow melting, and snow protection etc. road management and maintenance in cold region •Impact on road management and maintenance (in the cold region) by underground infrastructure such as water pipe and sewerage etc. and solution skills to deal with the problems •Road design and construction technologies against the cold climate (5) •Clarifying country situation and road situation in respective countries •Clarifying the issues regarding road management and maintenance in respective countries •Propose Action Plan to solve the issues in respective countries <Finalization Phase> (1) Report the progress of implementing Action Plan as Final Report within three(3) months after completion of phase in Japan</p>	IMPLEMENTING PARTNER	Hokkaido Intellect Tank
	JICA CENTER	JICA Sapporo
	COOPERATION PERIOD	2008~2010
	REMARKS	

Target Countries: Countries with most of main highways paved

30 participants ★ /

English

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>II. In participants' home country, it is also expected that the interim report is approved by the organization concerned</p>	<p>【Target Organizations】 Ministry of Public Works, Ministry of Transportations, Local Government</p> <p>【Target Group】</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Jul.9.2008～Aug.9.2008</p>
<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</p>	<p>This seminar will be implemented twice for JFY 2008. The second one is scheduled from Aug.20.2008 to Sep.20.2008 in the same content.</p>

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 To formulate the guideline on promote citizen participation and resettlement and land appropriation caused by public works including road construction in a planning stage, through environmental and social considerations.</p> <p>【Outputs】 (1) Understanding and executing public involvement (PI) methods for the planning phase of public works projects, centering on the road sector (2) Understanding ideal ways to conduct involuntary resident relocation and loss compensation based on environmental and social considerations; analyzing problems with systems in their home countries (3) Proposing involuntary resident relocation and loss compensation systems based on environmental and social considerations when executing public works projects</p>	<p>【Target Organizations】 National, Regional organizations which are relating city planning or traffic and transportation</p> <p>【Target Group】 1) Practitioners engaged in execution of road construction and other public works projects 2) Have more than five years of experience</p>	
CONTENTS	PROGRAM PERIOD	Aug. 3. 2008 ~ Aug. 30. 2008
<p>Preparatory phase: Submit the inception report about the information of their organization (activities, problems and their causes, tentative plan to solve the problems)</p> <p>Program in Japan: This program consists of lectures, practical excises, observation, and discussion on the following topics.</p> <p>(1) • Background of public involvement methods • Practical public involvement methods • Examples of public involvement in public words projects</p> <p>(2) • Basic policy: 1) Resident relocation policy public compensation system in Japan 2) 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 Napalese examples and understanding problems and challenges facing each aspect of execution as well as how to cope with them)</p> <p>(3) • Discussion on the state of progress and challenges in developing systems in course participants' countries • Model study • Role playing for resident discussions</p> <p>(4) Formulation and presentation of the interim report</p> <p>Post-Program Activities: Submit the final report on activities after returning home country.</p>	<p>IMPLEMENTING PARTNER Ministry of Land Infrastructure and Transport, Hokkaido University</p> <p>JICA CENTER JICA Obihiro</p> <p>COOPERATION PERIOD 2008~2010</p> <p>REMARKS</p>	

Target Countries: Countries with airports

11 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The purpose of this seminar is to provide alternative methods to improve aviation security by providing fundamental knowledge of aviation security practiced in Japan. Participants are expected to identify aviation security problems, and seek effective measures for respective countries by:</p> <p>(1) Understanding the importance of aviation security through the Japanese system and experiences, (2) Acquiring basic knowledge of practices on aviation security and security control systems as well as the equipment used in Japan</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.13.2009~Feb.14.2009
<p>The following subjects will be covered in this program through lectures, observations and discussions;</p> <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	CIVIL AVIATION BUREAU, MLIT
	JICA CENTER	JICA Yokohama
	COOPERATION PERIOD	2006~2010
	REMARKS	

Target Countries: IMO member countries having international ports

5 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The purpose of the program is to provide fundamental and practical knowledge of international maritime conventions and applicable technology and procedures of ship inspection in accordance with the requirements of international standards. Through the program, participants are expected to:</p> <p>(1) Have appropriate technical knowledge and understand the related requirements of IMO conventions to promote ship safety inspection (2) Understand the Japanese ship safety inspection system</p>	<p><Target Organizations> Central or local government in charge of the field of ship safety (ship inspectors, PSC officers etc.)</p> <p><Target Group> (1) Administrative officials in the field of ship safety (ship inspectors, PSC officers etc.) (2) Individuals with graduate degree in engineering or equivalent and with at least one year of experience (3) Have a sufficient command of speaking and writing English</p>	
CONTENTS	PROGRAM PERIOD	Jul.15.2008~Nov.1.2008
<p>This program consists of:</p> <p>(1) Japanese language lesson (2) Presentation of a Country Report and Action Plan (3) Technical lectures SOLAS I, II, III, IV, V, VI, VII, IX, XI, XII; MARPOL I, II, III, IV, V, VI; ILLC; Tonnage; COLREG; Ship Survey; PSC (4) Practice Training The practice training will be implemented on the ship inspection for coastal service ships and also on port State control at the local administration offices. (5) Observation and Study trip</p>	IMPLEMENTING PARTNER	Shipbuilding Research Centre of Japan
	JICA CENTER	JICA Yokohama
	COOPERATION PERIOD	2005~2009
	REMARKS	A compulsory intensive Japanese language program will be conducted prior to the technical training.

Target Countries: Maritime countries

14 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
The program is designed to nurture qualified port and harbor related engineers who will contribute to the country's economic development through port development by controlling the effect, cost and environmental impact in port development and planning.	<Target Organizations> Port and harbor related organizations <Target Group> (1) University graduates or individuals with an equivalent academic background (2) Individuals presently engaged in port and harbour-related civil engineering with more than 3 years of occupational experience (3) Have a sufficient command of spoken and written English	
CONTENTS	PROGRAM PERIOD	Jun.1.2008~Aug.9.2008
This program consists of lectures, exercises, observations, intensive field study at the Onahama Port and discussions. It covers: (1) Basic Technology (Coastal engineering and marine hydraulics, geotechnical and structural mechanics, construction and control system) (2) Development, Strategy, Planning (Port and harbor policy, port and harbor planning, designing, and standards, information technology, disaster management) (3) Maintenance and Environment (Good maintenance and effective use of existing port facilities, protection and assessment of environment, knowledge of coastal environment) (4) Global Trend on Ports and Harbours (Management and Operations)	IMPLEMENTING PARTNER	PORTS & HARBOURS BUREAU, MLIT
	JICA CENTER	JICA Yokohama
	COOPERATION PERIOD	2005~2009
	REMARKS	

Target Countries: Maritime countries

8 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
(1) To enhance long-term policy-making capacity through the acquisition of knowledge on port development strategy (2) To attain applicable knowledge on strategic operation on ports and harbours to modernize port management (3) To acquire knowledge on strategic operation on ports and harbours to modernize port management (4) To understand current issues and trends concerning world ports and harbours	<Target Organizations> The organization in charge of the field of Port operation strategy, administration and management. <Target Group> (1) University graduates or equivalent (2) Individuals currently engaged in port technical administration and/or management works with more than 8 years of occupational experience in the field of ports and harbours (3) Have a good command of spoken and written English	
CONTENTS	PROGRAM PERIOD	Oct.19.2008~Nov.22.2008
This program consists of lectures, discussions, exercises, observations, etc. It covers: (1) Port Development, Strategy, Planning Grand Design, Long-Term Development Strategy, Industry and Regional Development (2) Port Administration and Management Administration and Management System, Equipment Management (3) Port Operation Port Operation Strategy, Modernization of Port Operations (4) Global Situation and Trends on Ports and Harbours Globalization, International Conventions	IMPLEMENTING PARTNER	PORTS & HARBOURS BUREAU, MLIT
	JICA CENTER	JICA Yokohama
	COOPERATION PERIOD	2005~2009
	REMARKS	

Target Countries: ASEAN countries

13 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>To facilitate strong port facility security measures in ASEAN countries and to learn standard and globalized security measures in order to organize an international maritime transport network for crossing the borders of other countries that have rules and conventions, such as SOLAS etc.</p>	<p><Target Organizations> National government organizations and port management authorities in charge of port security policy</p> <p><Target Group> Officers (pairs of managers and officers preferable) in charge of port security policy in national government organization and port management authority</p>	
CONTENTS	PROGRAM PERIOD	
<p>This program consists of lectures, discussions, exercises, observations, etc.</p> <ul style="list-style-type: none"> • PDCA cycle workshop (port security upgrading cycle) • International conventions and initiatives on port security by IMO etc. 	<p>IMPLEMENTING PARTNER</p>	<p>Aug.31.2008~Sep.20.2008</p> <p>Ports & Harbours Bureau, MLIT</p>
	<p>JICA CENTER</p>	<p>JICA Yokohama</p>
	<p>COOPERATION PERIOD</p>	<p>2007~2009</p>
	<p>REMARKS</p>	

Target Countries: Countries With Ocean Facing Ports

5 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p><Objectives> Discussion about comprehensive knowledge related to port and harbor development, and making agreement as the result of discussion</p> <p><Outputs> (1) To be able to think the influence from Port Development and Planning (2) To be able to plan quasi port development policy and utilize it as a model plan in the future</p>	<p><Target Organizations> National or Local Government organization for port management</p> <p><Target Group> Port officers in charge of port administration(cargo transportation, port environment conservation, Port development planning)</p>	
CONTENTS	PROGRAM PERIOD	
<p>(1) Outline of Yokohama Port and its policies through lectures and field studies centering on Logistics and Environment Measures based on the future planning of the city (2) Project Cycle Management (PCM) workshop of the Port development, and Discussion about comprehensive knowledge related to port and harbor development</p>	<p>IMPLEMENTING PARTNER</p>	<p>Jan.2008~Jan.2008</p> <p>Port & Harbor Bureau, City of Yokohama</p>
	<p>JICA CENTER</p>	<p>JICA Yokohama</p>
	<p>COOPERATION PERIOD</p>	<p>2008~2010</p>
	<p>REMARKS</p>	

Target Countries: ASEAN countries

7 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
This course aims to facilitate efficient international transportation of both freight and people among Mekong region countries. Trainees are expected to realize the scope of cross border transport infrastructure (hereinafter referred as "CBTI"), and formulate action plans that would be applied in the near future.	【Target Organizations】 Under Planning 【Target Group】 Under Planning	
CONTENTS	PROGRAM PERIOD	After Sep.2008～
Under Planning	IMPLEMENTING PARTNER	Under planning
	JICA CENTER	JICA Yokohama
	COOPERATION PERIOD	2007～2009
	REMARKS	Coordination is required between this course and a similar training program held by ADB.