

7. Transportation

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| Road Maintenance and Management 道路維持管理 | | 1684538 Continuing 57 participants |
| Target Countries : _____ | | |
| Course No. : J1604323/J1604234/J1604348/J1604044 | | |
| Sector : Transportation/Capacity Development for Transport Sector | | |
| Sub-Sector : Transportation/National Transportation | | |
| Language : English/Russian | | |
| Outline | | |
| <p>This course mainly targets engineers who are engaged in road management and maintenance (hereinafter, "road M/M"). It contributes to improve their knowledge, experience and technique for appropriate road M/M, especially planning skills (including asset management) through lecture, site visit and discussion etc. They are expected to identify the issues and formulate feasible action plan for the solution.</p> | | |
| Objective/Outcome | Target Organization / Group | |
| <p>【Objective】 To identify the issues for road M/M and formulate countermeasure and improvement plan for the appropriate and efficient road M/M through the acquisition of applicable knowledge and technique.</p> <p>【Outcome】 1. Participants are able to identify main issues of respective country/organization. 2. Through the experience of Japan and local government on road management and maintenance system (including road asset management system), applicable knowledge and technique are reconsidered. 3. Through understanding necessary skills, procedure of appropriate road management and maintenance (especially road M/M planning) is reconsidered. 4. Action plan is proposed to solve the issues in own areas through applying the acquired skills to the issues.</p> | <p>【Target Organization】 Organization responsible for road management, operation and maintenance.</p> <p>【Target Group】 1. Engineer or administrator currently engaged road M/M. 2. More than 5 years' working experience in road M/M and will be in same occupation more than 2 years after this training. 3. A graduate or equivalent academic background in the field of civil engineer</p> | |
| Contents | Course Period | 2016/10/30 ~ 2016/12/17 |
| <p>【Preliminary Phase】 1. Preparation of Inception Report to analyze the issues regarding road M/M in respective organization and country.</p> <p>【Core Phase】 1. Presentation and discussion of Inception Report. 2. Lectures, site visit, workshop and discussions of following matters. (1) The concept of "road M/M cycle (Inspection, evaluation, planning implementation and monitoring etc." (2) Road M/M plan, history, implementation system in Japan and local areas. (3) Preventive and effective road M/M planning (4) Road M/M works (Inspection, evaluation etc.) in Japan and local areas. (5) Implementation of road M/M works and countermeasure works against disaster, etc. (6) Road construction plan to achieve the effective road maintenance and management after operation 3. Formulation, discussion and presentation of the action plan for the efficient and effective road M/M</p> <p>【Post-training】 1. Presentation and discussion of the draft action plan among the stakeholders in respective country 2. Submission of the progress report</p> | Implementing Partner | Hokkaido Development Engineering Center, Ministry of Land, Infrastructure, Transport and Tourism/City of Sapporo/Green Earth Co.. |
| | Department in Charge | Infrastructure and Peacebuilding Department |
| | JICA Center | JICA Hokkaido (Sapporo)/JICA Okinawa/JICA Chugoku |
| | Cooperation Period | 2014 ~ 2016 |
| | Remarks and Website | (A) 2016/10/30-2016/12/17 (Russian:Hokkaido(Sapporo)) (B) 2016/08/17-2016/10/08 (English:Hokkaido(Sapporo)) (C) 2016/10/19-2016/12/09 (English:Okinawa) (D) 2016/10/31-2016/12/10 (English:Chugoku) |

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| Maritime Safety and Security Policy Program 海上保安政策プログラム | | 1684543 Continuing 8 participants |
| Target Countries : _____ | | |
| Course No. : J1604040 | | |
| Sector : Transportation/Capacity Development for Transport Sector | | |
| Sub-Sector : Governance/Public Safety | | |
| Language : English | | |
| Outline | | |
| Sea lane stability requires coastal states to address maritime issues responsibly. Development of int'l maritime norm requires a formation of rule-of-law based int'l understanding, this course provides an advanced education bridging practice/theory of maritime safety and security based on Japanese expertise, which will cultivate specialized abilities to draft or to improve own country's maritime policies. | | |
| Objective/Outcome | Target Organization / Group | |
| 【Objective】 Junior officers from Coast Guard organizations shall gain practical skills to perform their duties and improve their abilities to deal with int'l issues in a timely/appropriate manner. By fostering mutual/common understanding through the course, a network of participating countries shall be built up, and thereby, int'l cooperation will be also strengthened. | 【Target Organization】 Coast Guard organization Maritime Law Enforcement agency Transportation and traffic administrative agency Oceanographic survey administrative agency | |
| 【Outcome】 1. Improvement of socio-scientific knowledge that will be the basis for addressing international issues 2. Improvement of legal thinking ability related to the maritime safety and security field 3. Acquisition of methods of resolving issues to contribute to the construction of international maritime norm based on the rule of law by examining maritime issues from various angles based on practice and legal theory 4. Preparation of a policy paper for deriving a solution for a particular issue by using method on comparison and consideration after sorting out the background and causes | 【Target Group】 1. About 5 years' service experience; Section Chief of HQs (Lt.Cdr class) or below 2. Sufficient English proficiency with TOEFL score of iBT 79 or more 3. University graduates or equivalent 4. Officers from Japan Coast Guard also to participate | |
| Contents | Course Period | 2016/09/27 ~ 2017/09/16 |
| 【Preliminary Phase】 1. Submission of Assignments: Preparation and submission of Job and Country Report Presentation Materials 2. Preparation: Be familiar with the laws and regulations of one's country concerning maritime safety and security as well as int'l laws and conventions. Collection of cases and search of literature related to int'l maritime issues | Implementing Partner | Japan Coast Guard, National Graduate Institute for Policy Studies |
| | Department in Charge | Infrastructure and Peacebuilding Department |
| | JICA Center | JICA Chugoku |
| | Cooperation Period | 2015 ~ 2017 |
| | Remarks and Website | This project is designed to award a master's degree to training participants who enroll in the GRIPS/JCGA education cooperation program through this training and attain appropriate results after completing the program. |
| 【Core Phase】 <Compulsory subjects> Int'l Relations, Int'l Law, Int'l Relations in East Asia, Int'l Security Studies, Int'l Law of the Sea, Rescue and Disaster Prevention Studies, Maritime Law Enforcement Policies, Maritime Safety and Security Policy Exercises 1&2, Research on Specific Issues, Research Presentation, Presentation of Policy Papers | | |
| <Elective subjects> Essential Microeconomics, Macro Economics, Public Economics, Government and Politics in Japan, Int'l Political Economy, Military Operations Strategy and Policy, Comparative Politics, Nation and Politics in Eastern Asia, Introduction to Quantitative Method, Introductory Statistics, Comparative Int'l Criminal Law, Marine Environmental Science, Traffic Management Systems, Information Management Systems, Marine Systems Engineering | | |

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| Maritime Law Enforcement 海上犯罪取締 | | 1684544 | |
| | | Continuing | |
| | | 20 participants | |
| Target Countries : Countries aims to enforce measures for Maritime law enforcement | | | |
| Course No. : J1604178 | | | |
| Sector : Transportation/Capacity Development for Transport Sector | | | |
| Sub-Sector : | | | |
| Language : English | | | |
| Outline | | | |
| This course is for the Maritime Law enforcement through lectures, visit, and practice (including boarding) based on cooperation from JCG and targeting to commander level of practical site and a month period. Contents which are effective for strengthening law enforcement; international law, drug smuggling, human trafficking, observation of Air base and inspection to suspicious ship. | | | |
| Objective/Outcome | | Target Organization / Group | |
| 【Objective】 The capacity of staff of Coastal Guard in Coastal Nations Asia, Middle East and East Africa is enhanced. And Action Plan is implemented, then Maritime Law Enforcement in the participant's organization is enhanced. | | 【Target Organization】 Coast Guard, Naval Police 【Target Group】 <Expected Job Title> 1. Officers in charge of practical investigation 2. Officers in charge of practical investigation More than 3 years' experience. Have sufficient English ability, be university graduates or equivalent, younger than 40. This course is not for personnel of development of laws, for law enforcers. | |
| 【Outcome】 1. Basic Theories of Maritime Law Enforcement is acquired. 2. Practical knowledge and techniques of Maritime Law Enforcement is acquired. 3. Knowledge of the Japanese Maritime Safety system is deepened through site visits of related organizations. 4. The Action Plan aimed to solve each country's problems is made and shared in the participant's organization. 5. The human international network among the participating countries is enforced. | | | |
| Contents | | Course Period | |
| 【Preliminary Phase】 Formulation of report to present current situation in the participant's country 【Core Phase in Japan】 Anti-Piracy Countermeasures, International Law, Anti-Terrorism Countermeasures Maritime Drug Law Enforcement, Latest Trends of Piracy in the world Drill for Handling Investigation Equipment, On Board Training, Exercise for Suppression Technique, Table-top exercise(Piracy Countermeasures, Maritime Drug Law Enforcement, Inspection of JCG (Yokohama Base, Museum (illegal boat), Operation Room, Research Center, JCG Academy,) Preparation and presentation for Action Plan, Country Report Presentation, 【Finalization Phase】 Implementation of the formulated plan, and report progress. | | 2016/05/08 ~ 2016/06/04 | |
| | | Implementing Partner | International Maritime Onboard Security |
| | | Department in Charge | Infrastructure and Peacebuilding Department |
| | | JICA Center | JICA Kyushu |
| | | Cooperation Period | 2014 ~ 2016 |
| | | Remarks and Website | |

Target Countries : _____

Course No. : J1604355

Sector : Transportation/Capacity Development for Transport Sector

Sub-Sector :

Language : English

Outline

"Outlook for Air Transport to the year 2025" published by ICAO predicts the increase of aviation demands in the world. It is said that from year 2005 to 2025, aviation demands will increase 5.8 % in the Asia Pacific and Middle East, and 5.1% in Africa. Following this trend, airport development projects, new construction and expansion of existing airports, are scheduled in these regions. After the construction/expansion of the airport, efficient and effective management and maintenance are essential as well. Taking this opportunity, Japan initiates to promote The deployment of integrated infrastructure systems in our partners countries.

In this regard, this program offers participants and his/her organization the basic knowledge on construction, management and maintenance of the airport development, and the opportunity to make efficient airport development plans with professional consultation.

| Objective/Outcome | Target Organization / Group |
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| <p>【Objective】 After this training, participants will propose airport development plan considering construction, management and maintenance, and the action plan proposed by participants will be recognized by the planning division of the organization participants belong to.</p> <p>【Outcome】 1. To summarize the current situation and challenge/concern on airport development planning in participating countries. 2. To learn and be able to explain the knowledge on airport develop plan considering construction, management and maintenance from the Japanese cases. 3. To formulate the draft airport development plan based on the situation and challenge/concern in participating countries. 4. To formulate and share the action plan among participants and in the participating organizations.</p> | <p>【Target Organization】 Aviation bureau of central or local government, Airport companies in charge of airport development.</p> <p>【Target Group】 1. Officers in charge of planning, management and maintenance of airport development with more than 5 years of experiences. 2. Graduate of university or equivalent. 3. Have a good command of speaking and writing English</p> |

| Contents | Course Period | 2016/08/21 ~ 2016/10/01 |
|---|-----------------------------|---|
| <p>【Preliminary Phase】 1. Preparation of Country Report on airport development.</p> <p>【Core Phase in Japan】 1. Lectures, observations, and discussions on followings will be conducted. (1) Presentation and discussion of the country report. (2) Aviation policy (open sky, metropolitan airport developments). (3) Airport Planning (elemental planning, public involvement). (4) Airport Management and maintenance (total management of primary facilities and terminal, PFI&PPP, maintenance of facilities, eco airport). (5) Latest technology (against earthquake and tsunami). 2. Formulation, presentation and discussion of the draft action plan, including the airport development plan.</p> <p>【Finalization Faze】 1. Presentation and discussion of the draft action plan among the stake holders in respective countries. 2. Submission of the progress report.</p> | <p>Implementing Partner</p> | <p>SCOPE Service Center of Port Engineering</p> |
| | <p>Department in Charge</p> | <p>Infrastructure and Peacebuilding Department</p> |
| | <p>JICA Center</p> | <p>JICA Yokohama</p> |
| | <p>Cooperation Period</p> | <p>2015 ~ 2017</p> |
| | <p>Remarks and Website</p> | <p>Website of SCOPE http://www.scopenet.or.jp/main/e/index.html Website of MLIT http://www.mlit.go.jp/en/kuoku/index.html</p> |

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| Comprehensive Bridge Engineering 橋梁総合 | | 1684547 | | | | | | | | | | |
| | | Continuing | | | | | | | | | | |
| Target Countries : _____ | | 18 participants | | | | | | | | | | |
| Course No. : J1604122 | | | | | | | | | | | | |
| Sector : Transportation/Capacity Development for Transport Sector | | | | | | | | | | | | |
| Sub-Sector : | | | | | | | | | | | | |
| Language : English | | | | | | | | | | | | |
| Outline | | | | | | | | | | | | |
| This course will provide comprehensive bridge engineering such as design of bridges, construction/construction supervision and maintenance/repair of various types of bridges through case study and site visit in Japan. | | | | | | | | | | | | |
| Objective/Outcome | | Target Organization / Group | | | | | | | | | | |
| <p>【Objective】 Improved action plans which include construction or maintenance work for bridges made by central governments in developing countries are to be proposed by the section which trainees belong to.</p> <p>【Outcome】 1. Design of bridges (acquisition of design technique using software is NOT included in the course objectives) 2. Construction and construction supervision of various types of bridges (RC, PC and steel bridges) 3. Maintenance and repair of various types of bridges</p> | | <p>【Target Organization】 Competent government agencies or governmental organizations responsible for bridge engineering (design, construction, maintenance, repair of bridges)</p> <p>【Target Group】 1. Engineer currently engaged in bridge engineering (design, construction/construction supervision, maintenance and repair of bridges). 2. Preferably with 5 - 15 years of work experience (3 years or more in bridge engineering desirable).</p> | | | | | | | | | | |
| Contents | | Course Period | | | | | | | | | | |
| <p>【Preliminary Phase in Participants' home countries】 1. Formulation and submission of Country Report 2. Collection of data and preparation for report presentation</p> <p>【Core Phase in Japan】 Lectures, practices, site visits and discussion on the following subjects 1. Bridge Planning in Japan 2. Design and Construction of Substructures 3. Design and Construction of Concrete Bridges (PC and RC Bridges) 4. Design and Construction of Steel Bridges 5. Bridge Accessories 6. Bridge Maintenance and Repair 7. Preparation and presentation of Training Reports</p> <p>【Finalization phase in a participant's home country】 Participants and their organizations revise and implement the action plan for improving construction, maintenance and repair of bridges.</p> | | <p>2016/09/05 ~ 2016/10/22</p> <table border="1"> <tr> <td>Implementing Partner</td> <td>Honshu-Shikoku Bridge Expressway Company Limited</td> </tr> <tr> <td>Department in Charge</td> <td>Infrastructure and Peacebuilding Department</td> </tr> <tr> <td>JICA Center</td> <td>JICA Kansai ()</td> </tr> <tr> <td>Cooperation Period</td> <td>2014 ~ 2016</td> </tr> <tr> <td>Remarks and Website</td> <td></td> </tr> </table> | Implementing Partner | Honshu-Shikoku Bridge Expressway Company Limited | Department in Charge | Infrastructure and Peacebuilding Department | JICA Center | JICA Kansai () | Cooperation Period | 2014 ~ 2016 | Remarks and Website | |
| Implementing Partner | Honshu-Shikoku Bridge Expressway Company Limited | | | | | | | | | | | |
| Department in Charge | Infrastructure and Peacebuilding Department | | | | | | | | | | | |
| JICA Center | JICA Kansai () | | | | | | | | | | | |
| Cooperation Period | 2014 ~ 2016 | | | | | | | | | | | |
| Remarks and Website | | | | | | | | | | | | |

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| Road Administration 道路行政 | | 1684548 Updated |
| Target Countries : Low-Income and Lower Middle-Income Developing Country | | 22 participants |
| Course No. : J1604364 | | |
| Sector : Transportation/Capacity Development for Transport Sector | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| Road development has considerable social and economic impacts in developing countries with insufficient social infrastructure. This course aims to develop the capacity of road administration for the related government officials. | | |
| Objective/Outcome | Target Organization / Group | |
| 【Objective】 Capacity development of officers in charge of road administration in the field of road planning, improvement and maintenance 【Outcome】 (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 and maintenance (including pavement and bridges) and points to consider thereof, and (4) Propose an improvement plan of road administration in respective countries | 【Target Organization】 National or local governments road administration. 【Target Group】 University graduate with civil engineering degree or equivalent Mid-level officer in charge of road planning in government or government-related organization and expected to be assigned to a leading position in the future | |
| Contents | Course Period | 2016/11/16 ~ 2016/12/17 |
| [Exercise] Road Network Planning [Lecture] Road Administration in Japan, Highway Economic Effects and Project Appraisal, Road Traffic Demand Forecast, Road Structure Ordinance, Road Design, Disaster Prevention, Public Involvement・EIA [Lecture & Site Visits] Traffic Safety, Road Structure (Bridge, Tunnel, Pavement), Road Construction, Road Facilities・ITS, Road Maintenance | Implementing Partner | Under Planning |
| | Department in Charge | Infrastructure and Peacebuilding Department |
| | JICA Center | JICA Tokyo (Economy&Env.) |
| | Cooperation Period | 2016 ~ 2018 |
| | Remarks and Website | |

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| Ship Safety 船舶安全 | 1684549 Updated | |
| Target Countries : Asia, Pacific, Middle East, Latin America, and Africa Regions | 13 participants | |
| Course No. : J1604203 | | |
| Sector : Transportation/Capacity Development for Transport Sector | | |
| Sub-Sector : Governance/Public Safety | | |
| Language : English | | |
| Outline | | |
| <p>The seaborne traffic is being increased by the economic growth, meanwhile, serious maritime accidents or marine pollution still continue as ever. It is reported that a large number of the life has been lost recently. In order to ensuring of the ship safety in the region, every country is working for proper implementation of flag State ship inspection and port State control under the international maritime conventions of IMO and also the domestic regulations for the coasting service ships and it is further required to be strengthened. It is now urgently required that necessary action should be paid for ensuring safety of ships engaged both in international and coasting services.</p> | | |
| Objective/Outcome | Target Organization / Group | |
| <p>【Objective】 To develop the inspection system to adjust to the maritime international conventions and cope with the maritime casualties, obtaining regulations of maritime conventions of IMO and also regulations and inspection system for non-convention ships, to share the skills of inspection and safety registration system among inspectors and administration officials.</p> <p>【Outcome】 1. To recognize the present conditions and problems on implementation of ship safety regulations and inspection, and also PSC in the participating countries. 2. To improve understanding on international maritime conventions, latest shipbuilding technology, ship machineries/equipment for conducting ship safety inspection and PSC. 3. To clarify the problems to be improved of the participant s country concerning ship safety regulation and inspection system for non-convention ships. 4. To become to possible to explain the knowledge gained in the program to the Ship Inspectors, Port State Control Inspectors and maritime administration officials in belonging/related organizations.</p> | <p>【Target Organization】 Public Organization concerning Ship Safety Management, Flag State Inspection, and Port State Control.</p> <p>【Target Group】 1. Maritime Administration Official working with ship safety inspection/management 2. Ship Inspector or PSC Inspector Over 3 years experience 3. Graduate degree in engineering or equivalents 4. Aged 50 and less, able to communicate in English practically</p> | |
| Contents | Course Period | |
| <p>1. To prepare Country Report on ship safety inspection, the application status of the Conventions of IMO, ship safety regulatory system, etc. before training. Presentation of the Country Report and sharing the situation of implementation of those conventions by discussion among the trainees. 2. Lecture and exercise on Maritime Conventions along with the IMO model training course and lecture about recent IMO activities such new conventions which are going into effect. Visiting shipyard and ship machinery companies. Practical exercise of PSC with the District Transport Bureau. 3. Lecture on the safety regulations for non-Convention ship target to understand the concept and develop a method of inspection for non-Convention ships. Practical Training at shipyard on ship inspection for non-convention ships. 4. Presentation of the Action Plan and discussing among the trainees.</p> | 2016/06/05 ~ 2016/08/04 | |
| | Implementing Partner | MLIT Shipbuilding Research Centre of Japan |
| | Department in Charge | Infrastructure and Peacebuilding Department |
| | JICA Center | JICA Yokohama |
| | Cooperation Period | 2016 ~ 2018 |
| Remarks and Website | http://www.mlit.go.jp/en/maritime/index.html http://www.srcj.or.jp/pdf/SRC_Pamphlet.pdf | |

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| Improvement of Port Cargo Transport Efficiency for African Countries 港湾物流効率化(アフリカ地域) | | 1684550 |
| | | Continuing |
| | | 14 participants |
| Target Countries :African Countries | | |
| Course No. :J1604432 | | |
| Sector :Transportation/Capacity Development for Transport Sector | | |
| Sub-Sector : | | |
| Language :English | | |
| Outline | | |
| In Sub-Saharan Africa, there are many problems in distribution infrastructures of international corridors, as well as the institutional and operational arrangements which allow the infrastructure to function appropriate and effectively. This training course is focusing on improvement of the port cargo transport efficiency that is the issue of the ports as gateways of international corridors. | | |
| Objective/Outcome | Target Organization / Group | |
| 【Objective】 To enhance the capacity of the officer in charge of port planning or port administration for port planning, administration and operation. 【Outcome】 1. To understand the present situation and clarify the issues of Cross Border Transport Infrastructure both in the participant's country and Africa 2. To understand the measures to promote the efficiency of port cargo transport and examine the applicability to the participant's country 3. To understand the Japanese port administration and operation system, port cargo transport and the measures for strengthening international competitiveness and examine the applicability to the participant's country 4. To understand introduction and present condition of PPP and examine the applicability to the participant's country 5. To examine the measures to increase port cargo handling volumes in the participant's country and make improvement plan | 【Target Organization】 Port strategy and planning section of national government organizations, Port management authorities 【Target Group】 1. Officers in charge of the port planning and development, port administration (especially related to the port cargo transport) at port strategy and planning section 2. Officers having more than five (5) years of occupational experience. | |
| Contents | Course Period | 2016/11/06 ~ 2016/11/30 |
| 1.(1) Present situation of regional distribution and international corridor, (2) Utilization of hinterland of the ports, (3) Analysis on the shipping company's selection of port of call, (4) Analysis of present situation of port cargo transport, (5) Structure analysis of the cost of port cargo transport 2.(1) Approach from the hardware aspect(Efficiency improvement by infrastructure upgrading, etc.), (2) Approach from the software aspect (Port procedure simplification, coordination with the Customs, ICT) 3.(1) Japanese port system, (2) Measures for the strengthening international competitiveness, (3) Port security measures in Japan 4. Current trend of privatization on port operation and management 5.(1) Presentation and discussion on the issues on cargo dwell time and present challenges to reduce it, (2) Identification of problems, examination of countermeasures, (3) Planning of business improvement proposal, presentation of action plan. | Implementing Partner | Under Planning |
| | Department in Charge | Infrastructure and Peacebuilding Department |
| | JICA Center | JICA Yokohama |
| | Cooperation Period | 2015 ~ 2017 |
| | Remarks and Website | |

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| Traffic Police Administration 交通警察行政 | | 1684821 Continuing 11 participants |
| Target Countries : _____ | | |
| Course No. : J1604107 | | |
| Sector : Transportation/Capacity Development for Transport Sector | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| Participants shall learn the knowledge of Japanese traffic police administration through lectures given by Japanese officials and some site visits. They shall identify the problems of their countries, compare them to other countries' ones and seek the solutions through Country Report, Action Plan and discussion. After returning, they shall make the most of the knowledge learned in this seminar. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 To enhance the management capability of supervisory personnel in traffic police administration and seek the solutions to the problems identified in participating countries. | | 【Target Organization】 Police organizations responsible for supervising traffic police administration. |
| 【Outcome】 1. To understand and explain Japanese traffic police administration in terms of institution, organization and management, as well as road traffic measures. 2. To identify common issues and problems among participating countries, and examine ways to implement the solutions through Country Report and Action Plan presentation and discussion. | | 【Target Group】 Be directors or equivalents of the division for traffic police administration in the national police organization. Have an experience of working at traffic police. |
| Contents | | Course Period |
| 1.(1) Lectures about Japanese traffic police administration in terms of institution, organization and management, as well as road traffic measures. (2) Site visits to Traffic Control Center etc. 2.(1) Country Report presentation and discussion. (2) Action Plan preparation, presentation and discussion. | | 2016/11/07 ~ 2016/12/03 |
| | | Implementing Partner |
| | | Department in Charge |
| | | JICA Center |
| | | Cooperation Period |
| Remarks and Website | National Police Agency Infrastructure and Peacebuilding Department JICA Tokyo (Industry&Public) 2014 ~ 2016 <National Police Agency> http://www.npa.go.jp/english/index.htm operation year (2014,2016) | |

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| Seminar on Aviation Security 航空保安セミナー | | 1684551 |
| | | Continuing |
| Target Countries : _____ | | 20 participants |
| Course No. : J1604315 | | |
| Sector : Transportation/International/Inter-regional Transportation | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| <p>International community has been continuing the effort on safeguarding civil aviation against acts of unlawful interference. The community has made resolutions to cooperate and to intensify the preventive measures against acts of unlawful interference to the civil aviation. Although strengthening the security system is the most important to prevent the acts of unlawful interference to the civil aviation, many countries have been tacking with this challenges.</p> <p>Considering this situations, promotion of the international cooperation to strengthen training for aviation security is strongly requested in ICAO resolutions in July 1985, which decided the reinforcement of preventive measures against the acts of unlawful interference to the civil aviation.</p> <p>In this regard, this program offers the knowledge on the aviation security such as, international standards, security measures, security equipment and training, quality control and crisis management based on the experiences of Japanese aviation security.</p> | | |
| Objective/Outcome | Target Organization / Group | |
| <p>【Objective】 Draft Action Plan on enhancing aviation security will be formulated by the participants, and will be shared with the stake holders in respective countries.</p> <p>【Outcome】 1. To deepen understanding of the importance of international aviation security by studying the Japanese and other states` systems and experiences. 2. To acquire basic knowledge of aviation security and security control systems conducted in Japan and other international partners. . 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 Organization】 Governmental bodies on aviation security and management of airport.</p> <p>【Target Group】 1. Administrative officers in charge of aviation security and airport management with more than 5 years experiences. 2. Graduates degree or the equivalents with an academic background in civil aviation. 3. Have a sufficient command of English.</p> | |
| Contents | Course Period | 2017/01/18 ~ 2017/02/23 |
| <p>【Preliminary Phase】 1. Preparation of Country Report on Aviation Security in each country.</p> <p>【Core Phase in Japan】 1. Lectures, observations, and discussions on followings will be conducted. (1) Structure and system of civil aviation in Japan, International aviation security law, Outline of security measures for aviation by airports, airlines and forwarder, Regulation and Quality Control for Aviation Security. (2) Countermeasures in the event of Hijacking, Security screening at airport, Preventive measures against acts of unlawful interference of flights by air carrier, Training methods and subjects for security personnel including screeners. (3) Basic knowledge of explosives, new technologies for screening equipment and advanced screening system. 2. Development of the draft action plan, and its presentation and discussion.</p> <p>【Finalization Phase】 1. Presentation and discussion of the draft action plan among the stakeholders in respective countries. 2. Submission of the final report on action plan.</p> | Implementing Partner | Airport Security Business Center |
| | Department in Charge | Infrastructure and Peacebuilding Department |
| | JICA Center | JICA Yokohama |
| | Cooperation Period | 2014 ~ 2016 |
| | Remarks and Website | Website of MLIT http://www.mlit.go.jp/en/ko/ku/index.html |

Target Countries : Coastal Countries and the countries faced on an international river

Course No. : J1604385

Sector : Transportation/International/Inter-regional Transportation

Sub-Sector :

Language : English

Outline

Hydrographic chart is important infrastructure to secure the marine traffic for economic prosperity and to formulate the ocean policy. This course aims to enhance the capacity of hydrographic survey technique and utilization of hydrographic data. After completion this course, all participants are certified Internationally Accredited Category B designated by FIG/IHO/ICA.

| Objective/Outcome | Target Organization / Group | |
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| <p>【Objective】 To certified International Accredited Category B after acquiring the hydrographic survey technique, and understand the utilization of hydrographic data.</p> <p>【Outcome】 1. To understand the theoretical concept, surveying and drafting technique for hydrography 2. To be able to collect the necessary data from the field surveying for hydrography 3. To be able to draft the smooth sheet based on the collected data 4. To understand the utilization of hydrographic chart through using the tool such as GIS</p> | <p>【Target Organization】 Authorities responsible for hydrographic survey or nautical chart (hydrographic office, port authority, maritime bureau)</p> <p>【Target Group】 1. Employed in a target organization 2. At least two years of occupational experience in hydrographic survey 3. Have obtained credits for mathematics and physics at least on the level of Technical College or equivalent educational institution</p> | |
| <p>Contents</p> | <p>Course Period</p> | <p>2016/06/27 ~ 2016/12/17</p> |
| <p>The curriculum is consist of lectures and field exercise described in below to acquire International Accredited Category B for Hydrographic Survey</p> <p>【Lecture】 1. Lecture on theoretical concept for hydrography (geodesy, tide, marine meteorology, underwater acoustics, statistics, etc.) 2. Lecture on practical technique for hydrography (electronic navigation chart, control point survey, GPS survey, photogrammetry and satellite image, sounding, map projection, cartography, tidal current, etc.) 3. Lecture on utilization of hydrographic chart (GIS, law of the sea, ocean policy, navigation, maritime affairs, maritime boundary delimitation, etc.)</p> <p>【Field Exercise】 1. On board exercise in the port to collect necessary data for hydrography 2. Drafting exercise of a smooth sheet based on the data from the on board exercise 3. GIS exercise to utilize hydrographic and nautical information</p> | <p>Implementing Partner</p> | <p>Japan Coast Guard, Japan Hydrographic Association</p> |
| | <p>Department in Charge</p> | <p>Infrastructure and Peacebuilding Department</p> |
| | <p>JICA Center</p> | <p>JICA Tokyo (Economy&Env.)</p> |
| | <p>Cooperation Period</p> | <p>2014 ~ 2016</p> |
| | <p>Remarks and Website</p> | |

Target Countries : _____

Course No. : J1604417

Sector : Transportation/International/Inter-regional Transportation

Sub-Sector :

Language : English

Outline

This course aims to enhance the capacity for performance based navigation (PBN) flight procedure design through understanding the related technical standards and technique. PBN enable to set flexible air route (landing and taking off) in using the aircraft equipped with GPS and flight management computer system. It is indispensable for increasing air traffic with safety ensuring in developing countries.

| Objective/Outcome | Target Organization / Group |
|---|--|
| <p>【Objective】 To acquire enough knowledge and expertise to design air traffic services route and PBN procedure.</p> <p>【Outcome】 1. To understand quality assurance in flight procedure design of Japan. 2. To understand the standard of flight procedure design. 3. To be able to design the flight procedure 4. To understand the outline of flight procedure automated design tools</p> | <p>【Target Organization】 Air Traffic Services Provider or Regulator</p> <p>【Target Group】 1. Who are engaged in flight procedure design (ex. flight procedure designer, air traffic controller, qualified pilots) 2. Who have completed PANS-OPS basic training course or equivalent knowledge.</p> |

| Contents | Course Period | Under Planning |
|---|-----------------------------|--|
| <p>This course mainly consists of practical design exercise of flight procedure.</p> <p>【Lecture】 1. Overview of flight procedure design 2. Overview of PBN (Performance based navigation) 3. Quality assurance for flight procedure design 4. Geographic data and obstacle data</p> <p>【Exercise】 1. PANS-OPS (Procedures for Air Navigation Service - Air Operation) 2. Survey exercise 3. Automated design tool for flight procedure design</p> <p>【Site Visit】 1. Air Traffic Management Center in Japan</p> | <p>Implementing Partner</p> | <p>Civil Aviation Bureau, Ministry of Land, Infrastructure, Transport and Tourism and NTT Data i Corporation</p> |
| | <p>Department in Charge</p> | <p>Infrastructure and Peacebuilding Department</p> |
| | <p>JICA Center</p> | <p>JICA Tokyo (Economy&Env.)</p> |
| | <p>Cooperation Period</p> | <p>2014 ~ 2016</p> |
| | <p>Remarks and Website</p> | |

Target Countries : Signatories to the SOLAS Convention

Course No. : J1604321

Sector : Transportation/International/Inter-regional Transportation

Sub-Sector :

Language : English

Outline

Since 9.11 in 2001, security measures on international maritime transport have become more important around the world. This program provides the practical knowledge and skills on port facility security measures. Although this program had been offered to participants of ASEAN countries until 2015, it will cover the other areas as well from 2016.

| Objective/Outcome | Target Organization / Group | |
|--|---|---|
| <p>【Objective】 The importance of port facility security is understood, and lessons and challenges of port facility security policy are shared among the participants countries.</p> <p>【Outcome】 1. To understand the international conventions on port facility security (PFS), needs of PSF and the responsibilities of contracting governments, and acquire the ability to explain these subjects. 2. To acquire knowledge and skills for the implementation of PFS measures and auditing. 3. To acquire knowledge and skills for the evaluation method of PFS measures. 4. To become able to train other personnel in the field of PFS measures.</p> | <p>【Target Organization】 National government organizations in charge of port facility security policy.</p> <p>【Target Group】 1. University graduate in the field or equivalent. 2. Have a sufficient command of spoken and written English, and 3. An official of government or public entity currently in charge of PSF.</p> | |
| Contents | Course Period | 2016/11/23 ~ 2016/12/15 |
| <p>[Lectures] Port facility security policy in Japan, trend of the international organizations related to port security, port facility security assessment and planning in Japan, port facility security equipment, communication procedures, maritime security, security measures related to customs, security inspection and audit in Japan.</p> | Implementing Partner | Under Planning |
| | Department in Charge | Infrastructure and Peacebuilding Department |
| <p>[Exercise] Country Report writing and presentation, port security assessment and planning, table top exercise, Audit.</p> | JICA Center | JICA Yokohama |
| | Cooperation Period | 2016 ~ 2018 |
| <p>[Site visit] Ports and harbors in Japan.</p> | Remarks and Website | |

Target Countries : _____

Course No. :J1604353

Sector :Transportation/National Transportation

Sub-Sector :

Language :English

Outline

Traffic demand in the developing countries is rapidly increasing, and it is necessary to expand road capacity and enhance safety. ITS assists to enhance the efficiency and safety of existing road network using real-time information. This program is aimed to enhances the action plan and the practical capacity to introduce ITS in each country.

| Objective/Outcome | Target Organization / Group | |
|--|--|--|
| <p>【Objective】 To disseminate the knowledge and the action plan to introduce the ITS in each country through acquiring the practical knowledge and technique described.</p> <p>【Outcome】 1. To understand the outline and related technology of ITS 2. To understand the role of the governments to introduce the ITS 3. To propose the action plan through specifying the applicable Japanese ITS technology in each country 4. To disseminate the action plan to related officials in each country</p> | <p>【Target Organization】 Administrative organization 【Target Group】 The government officials are in charge of actual work to introduce ITS. At least 5 years of experience in the field of road and transportatiton University (Engineering or Science) graduate or have an equivalent educational background English</p> | |
| <p>Contents</p> | <p>Course Period</p> | <p>2016/07/03 ~ 2016/07/30</p> |
| <p>1. •Lecture on outline and Idea of ITS •Lecture and site visit on related technology of ITS(An example and the future prospects of Traffic signal control, ETC, VICS, AHS, Road facility control system, Safety driving support, Road management, etc.)</p> <p>2. •Technical lecture on ITS administration in Japan (The role and cooperatiton among related governmental organization, the roles and cooperation among the private sector, academic institute and government)</p> <p>3. •To make the action plan (the participant should pick up a few applicble technology or knowledge) under the instruction from Japanese expert (, the roles and cooperation among the private sector, academic institute)</p> <p>4. •To disseminate the action plan and learned knowledge / technology through this program to related officials in each country</p> | <p>Implementing Partner</p> <p>Department in Charge</p> <p>JICA Center</p> <p>Cooperation Period</p> <p>Remarks and Website</p> | <p>Tokyo university +a consultant is placed</p> <p>Infrastructure and Peacebuilding Department</p> <p>JICA Tokyo(Economy&Env.)</p> <p>2016 ~ 2018</p> <p>Nothing in particular</p> |

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|---|--|---|--|
| Bridge Maintenance 橋梁維持管理 | | 1684555 | |
| | | Continuing | |
| Target Countries : _____ | | 20 participants | |
| Course No. : J1604138 | | | |
| Sector : Transportation/National Transportation | | | |
| Sub-Sector : | | | |
| Language : English | | | |
| Outline | | | |
| This course will provide bridge maintenance management skills such as inspection, evaluation, and maintenance reinforcement/repair of various types of bridges through case study and site visit in Japan. | | | |
| Objective/Outcome | | Target Organization / Group | |
| 【Objective】 Plans for bridge maintenance management will be formulated and implemented by the organization which trainees belong to. 【Outcome】 1. To be able to acquire and explain the essential points of Bridge Maintenance Management and make plans for Bridge Maintenance Management. 2. To be able to explain the basic work and concept of inspection, evaluation of various types of bridges (concrete bridges and steel bridges). 3. To be able to explain the basic work and concept of maintenance reinforcement/repair of various types of bridges (concrete bridges and steel bridges). 4. To make an action plan for Bridge Maintenance Management in participants' countries. | | 【Target Organization】 Competent government agencies or governmental organizations responsible for bridge engineering (design, construction, maintenance, repair of bridges) 【Target Group】 Engineer currently engaged in bridge engineering (design, construction/construction supervision, maintenance and repair of bridges). Preferably with 5 - 15 years of work experience (3 years or more in bridge engineering desirable). | |
| Contents | | Course Period | |
| 【Preliminary Phase in Participants' home countries】 Formulation and submission of Country Report Collection of data and preparation for report presentation 【Core Phase in Japan】 Lectures, practices, site visits and discussion on the following subjects 1. Introduction to Bridge Maintenance Management in Japan 2. Maintenance and Management of Steel Bridges 3. Maintenance and Management of Concrete Bridges 4. Maintenance and Management of Bridge Deck Pavement / Floor Slab Waterproof System 5. Maintenance and Management of Bridge Accessories 6. Bridge Inspection and Evaluation 7. Bridge Maintenance Reinforcement/Repair 8. Bridge Management System (BMS) 9. Preparation and presentation of Training Reports 【Finalization phase in a participant s home country】 Participants and their organizations revise and implement the action plan for bridge maintenance. | | 2017/03/05 ~ 2017/04/01 | |
| | | Implementing Partner | Nagasaki University & International Development Center of Japan Inc. |
| | | Department in Charge | Infrastructure and Peacebuilding Department |
| | | JICA Center | JICA Kyushu |
| | | Cooperation Period | 2015 ~ 2017 |
| | | Remarks and Website | |

| | | |
|--|--|---|
| Expressway Construction, Management, Operation/Maintenance 高速道路整備、運営、維持管理 | | 1684557 |
| | | Continuing |
| Target Countries : Countries which have expressway(s) under planning, construction and/or operating | | 15 participants |
| Course No. : J1604424 | | |
| Sector : Transportation/National Transportation | | |
| Sub-Sector : Transportation/Other Transportation Issues | | |
| Language : English | | |
| Outline | | |
| To improve the network of distribution, expressway management has been implemented by private fund in the developing countries whose economic development are remarkable and JICA also has supported their development. In this field, comprehensive plan including stable management and effective maintenance is required. This training course is based on our experience which has implemented for 50 years in Japan. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 To propose the action plan through identifying the issues for appropriate expressway planning, construction, management and operation/maintenance. Moreover, this action plan is shared and discussed in respective countries after this training in Japan. | | 【Target Organization】 1. Government department who in charge of expressway 2. Expressway company or concessionaires |
| 【Outcome】 1. To identify the status and issues regarding planning, construction, management and operation / maintenance of expressway(s) in respective country. 2. To consider the applicable knowledge and technique through understanding Japanese expressway (toll road) system, expressway development plan, construction technology, and management, operation / maintenance strategy. 3. To propose the solutions and action plan of expressway planning, construction, management, and operation / maintenance. 4. To share and discuss the action plan in their belonging organization and it is accepted. | | 【Target Group】 1. Engineer or Administrator in charge of planning, construction, management and operation / maintenance of the expressway. 2. In the relevant field, over 5years' working experience and over 2years' working after this training. 3. University Graduate in civil engineering, mechanical engineering, electrical engineering or equivalent. |
| Contents | | Course Period |
| 【Preliminary Phase】 Making the Country Report about the status, issues and plans of expressway in respective country. | | 2016/10/10 ~ 2016/10/29 |
| 【Core Phase】 Lecture, site visit, workshop and discussion as following; 1. Japanese Road administration (road planning, expressway system, PPP system, etc.) 2. Expressway development plan in Japan (comprehensive plan, implementation structure, history etc.) 3. Expressway construction technology 4. Expressway management (toll collection system, traffic management system, traffic congestion countermeasures, etc.) 5. Expressway maintenance (maintenance, inspection, risk management, disaster countermeasures etc.) 6. Sub business of expressway company to increase the income (retail and tenant on the expressway) 7. Action plan presentation and discussion to implement for solving the issues including expressway plan, operation, management and maintenance. | | Implementing Partner East Nippon Expressway Company Limited |
| | | Department in Charge Infrastructure and Peacebuilding Department |
| | | JICA Center JICA Tokyo (Economy&Env.) |
| | | Cooperation Period 2014 ~ 2016 |
| 【Post-training】 Presentation and discussion of the action plan in respective country or organization | | Remarks and Website |

| | | |
|---|--|---|
| Development of Urban Road Network 都市内道路整備 | | 1684558 |
| | | Continuing |
| | | 48 participants |
| Target Countries : _____ | | |
| Course No. : J1604237/J1604238/J1604265 | | |
| Sector : Transportation/Urban Transportation | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| This program is for technical officers in charge of urban roads in metropolitan area. The aim of this program is to improve the capacity of effective and efficient urban road development through Japanese experience particular to urban road development such as engineering techniques, the measures of traffic congestion relief, road safety and surrounding environment protection. | | |
| Objective/Outcome | | Target Organization / Group |
| 【Objective】 The capacity of effective and efficient urban road development is to be improved. 【Outcome】 1. To be able to explain and share the basics about the urban road development to the parent organization. 2. To be able to explain and share the various challenges and measures for the issues characteristic to urban road development to the parent organization. 3. To be able to explain and share the various constraints and the countermeasures on the process of planning / construction of urban road to the parent organization. 4. To be able to explain and share the Action Plan to the parent organization. | | 【Target Organization】 Organization (Central/local government or municipality) in charge of urban road development in the metropolitan area. 【Target Group】 Engineering officials in charge of urban road development (It is desirable to have civil engineering expertise equivalent to university graduate level with more than 5 years of working experience in the relevant field) |
| Contents | | Course Period |
| 【Preliminary Phase】 Preparation of Job Report 【Core Phase in Japan】 lectures/ observations/ discussions on 1. Classification and role of urban road (as transportation, lifeline (Electricity, gas, water), living environment, disaster reduction, etc), history of road development in Japan 2. (1) Traffic congestion relief (systematic development of road network, resolution of bottleneck of traffic flow, TDM (Traffic Demand Management), ITS (Intelligent Transport Systems), Multi-Modal) (2) Road safety (road safety measures, cooperation with police, traffic control) (3) Environmental measures (reduction of vehicle emission, vibration, noise, greenbelt, etc) (4) Lifecycle cost, preventive maintenance 3. Execution scheme, construction technology (rapid or neighboring construction) 4. Preparation and presentation of Action Plan 【Finalization Phase】 Implementation of Action Plan and Submission of Progress Report | | 2016/08/01 ~ 2016/09/10 Implementing Partner Department in Charge JICA Center Cooperation Period |
| | | Construction Services in Kansai Region (CSKR) Infrastructure and Peacebuilding Department JICA Kansai () 2015 ~ 2017 |
| | | Remarks and Website (A) 2016/08/01-2016/09/10 (English:Kansai) (B) 2016/09/12-2016/10/22 (English:Kansai) (C) 2017/01/16-2017/02/25 (English:Kansai) Priority may be given to the counterpart organization of JICA projects |

Target Countries : _____

Course No. : J1604422

Sector : Transportation/Urban Transportation

Sub-Sector : Urban/Regional Development/Urban Development

Language : English

Outline

This program is designed for mid-level central and local government officers to bring awareness and encourage introducing environmentally sustainable urban transport(EST) system and city planning based on the concept of "Green Economy"(economic activities aiming at the environmental conservation and the economic development).

| Objective/Outcome | Target Organization / Group | |
|--|--|--|
| <p>【Objective】 Action plan for promoting EST system and urban development will be shared and discussed among the related organizations.</p> <p>【Outcome】 1. To understand and analyze the current situation and problems of EST in area of responsibility. 2. To understand actual approaches for EST by central and local government in Japan 3. To set the direction of policies, programs and projects for promotion of EST system and urban development. 4. To formulate action plan to promote EST system and urban development in respective countries.</p> | <p>【Target Organization】 Department in charge of urban transport or urban development in the central or local government</p> <p>【Target Group】 1. Officer in charge of planning and implementing urban transport (mainly public transport) or urban development in the central or local government 2. At least 5 years' experience in the relevant field</p> | |
| <p>Contents</p> | <p>Course Period</p> | <p>2016/10/10 ~ 2016/11/19</p> |
| <p>1. Preparing the Inception Report, summarizing the review and analysis of the current situation and problems of EST. 2. Lectures/ Field visits (Example) Administration in Japan, International initiatives and programs, Urban environment and transport, Introduction of EST concept, Urban planning/ Land use/ Transport planning, Urban transport and city planning based on Green Economy, Environment assessment, Financial measures to promote EST, Environment strategy for automobile in Aichi, Guide-way bus system, TDM/NMT/LRT, Intelligent transport system(ITS) 3. Setting the direction of policies, programs and projects for promotion of EST system and city planning through exercises and discussions. 4. Formulating action plan to promote EST system and city planning in respective countries. 5. Sharing action plan among the related organizations, and submitting the Progress Report(within 3 months).</p> | <p>Implementing Partner</p> | <p>Japan international cooperation center (JICE)</p> |
| | <p>Department in Charge</p> | <p>Infrastructure and Peacebuilding Department</p> |
| | <p>JICA Center</p> | <p>JICA Chubu</p> |
| | <p>Cooperation Period</p> | <p>2015 ~ 2017</p> |
| | <p>Remarks and Website</p> | |

| | | |
|--|--|---------------------------|
| Urban Railways Management 都市鉄道の運営 | | 1684561 Updated |
| Target Countries : The countries which have or will have urban railways. | | 20 participants |
| Course No. : J1604426 | | |
| Sector : Transportation/Urban Transportation | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| <p>In developing countries, urban railway is introduced to solve issues such as increase of traffic congestion, pollution and energy consumption. For safe and efficient management of the urban railway, there are various issues to be solved. Participants of this program will learn Japanese experiences in this field, and are expected to make an improvement plan for their country's railway management.</p> | | |
| Objective/Outcome | Target Organization / Group | |
| <p>【Objective】 To propose an improvement plan to establish the management system suitable for your country based on the understanding of the issues related to the operation of urban railways and the consideration of their present situations.</p> <p>【Outcome】 1. To be able to explain the importance of safe and efficient operation of urban railways. 2. To understand the management system and organization of Japanese railway companies and to be able to apply that understandings to your country. 3. To understand the operation and maintenance methods of Japanese urban railways and to be able to apply that understandings to your country. 4. To propose an improvement plan for the management of the urban railways in your country / organization.</p> | <p>【Target Organization】 Urban railway company or organization with a plan to introduce urban railway</p> <p>【Target Group】 -Officers in the planning department in the target organization -At least 5 years of experience in the field of railway business -University graduate or have an equivalent educational background</p> | |
| Contents | Course Period | 2016/11/06 ~ 2016/12/03 |
| 1) Lec: Characteristics of urban railways in Japan | Implementing Partner | Under Planning |
| 2) Lec: Organization, human resources development, income and expenses, demand forecasting, related business (ex :retail activities in the station) of the urban railway companies in Japan | | Department in Charge |
| 3) Lec: Operational management, investment and maintenance of rolling stocks and railway facilities of the urban railway companies in Japan | JICA Center | JICA Tokyo (Economy&Env.) |
| 4) Site visit: Operation control center, railway stations, track and signal system, rolling stock workshop and factory, training center etc | Cooperation Period | 2016 ~ 2018 |
| 5) Report : Make an improvement plan for your organization | Remarks and Website | |

Target Countries : ASEAN Countries excluding Singapore and Brunei

Course No. : J1604334

Sector : Transportation/Urban Transportation

Sub-Sector : Urban/Regional Development/Urban Development

Language : English

Outline

Participants are supposed to be government officers engaged in urban transport development policy/project. They learn policies, technologies, best practices in urban transport development in accordance with "New Japan-ASEAN Action Plan on Environment Improvement in the Transport Sector". They make a study report for the improvement of urban transport development systems.

| Objective/Outcome | Target Organization / Group | |
|---|---|---|
| <p>【Objective】 In accordance with the framework of "New Japan-ASEAN Action Plan on Environment Improvement in the Transport Sector", participants draft a policy and an action plan to promote quality urban transport.</p> <p>【Outcome】 (1) To be able to explain principle concepts and contents of "New Japan-ASEAN Action Plan on Environment Improvement" to promote quality urban transport development of their own country. (2) To be able to analyze and resolve the issues to develop quality urban transport of their own country. (3) To be able to analyze and explain the case study and lessons from Japan's urban transport development experiment. (4) To be able to report the action plan to promote quality transport development.</p> | <p>【Target Organization】 Organizations in charge of planning and implementing urban transport development policies (Central/Local government)</p> <p>【Target Group】 (1) Officials responsible for urban transport policy (2) Officials responsible for planning urban transport system development (3) More than 3 years experience in related fields (4) Officials involved in or well aware of the concept of AJ-APEIT.</p> | |
| <p>Contents</p> | <p>Course Period</p> | <p>2016/10/01 ~ 2016/11/30</p> |
| <p>1) Lectures on in-depth understanding of "New Japan-ASEAN Action Plan on Environment Improvement in the Transport Sector", case studies on "Quality Transport" development and group discussions, 2) Lectures, case studies, study visit and group discussions on Japan's urban transport development policies including Transport Oriented Development(TOD), environment improvement measures, barrier-free(accessible) applications, and 3) Group discussions, discussions with lecturers, and making a study report</p> | <p>Implementing Partner</p> | <p>Under Planning</p> |
| | <p>Department in Charge</p> | <p>Infrastructure and Peacebuilding Department</p> |
| | <p>JICA Center</p> | <p>JICA Chugoku</p> |
| | <p>Cooperation Period</p> | <p>2016 ~ 2018</p> |
| | <p>Remarks and Website</p> | <p>THE ASEAN-JAPAN PLAN OF ACTION: http://www.asean.org/asean/external-relations/japan/item/the-asean-japan-plan-of-action</p> |

Target Countries : counties promoting infrastructure projects and developing their human resources

Course No. : J1604439

Sector : Transportation/Other Transportation Issues

Sub-Sector :

Language : English

Outline

In late years, the procedures for public works in developing countries become more complicate due to the intermingling of ODA projects and their own national systems. This course is offered for executive officers in charge of project management in central government and so on. Each participant reviews the own situation and problems and make an Action Plan utilizing the knowledge and technology learned.

| Objective/Outcome | Target Organization / Group | |
|---|--|--|
| <p>【Objective】 This course brings on executive officers and candidates who belong to central government and governmental body in drawing up their system and policy for project management of infrastructure development.</p> <p>【Outcome】 1. To understand project management on infrastructure development 2. To understand contract and evaluation system on infrastructure development 3. To understand method and procedure of accountability 4. To understand site management 5. To consider the application and possibility in order to establish their own standard and system utilizing the technology through this course, and draw up Action Plan.</p> | <p>【Target Organization】 Organizations for executing infrastructure development 【Target Group】 <Title> Executive officers in charge of infrastructure development in central government, etc. <Experience> More than 8 years of experience in management on infrastructure project <Others> Be a university graduate or equivalent in the field of civil engineering</p> | |
| Contents | Course Period | 2016/10/14 ~ 2016/12/12 |
| <p>1. To make a Job Report describing the situation of infrastructure development and its challenges in participant's country prior to coming to Japan and make a presentation during the Course. 2. To learn infrastructure development of Japan and study various aspects of project management in public works including project evaluation, information-technology application, wastes-recycling, role of civil engineer etc. 3. To learn contract system and quality control of construction works in Japan which include the type of contracts, and those characteristics, supervision, inspection, and standard specifications. 4. To learn the process to obtain the support and agreement of citizens through accountability in infrastructure development. 5. To learn site management, including quality control, schedule control and safety control. 6. To draw up an Action Plan including introduction and application plan for your infrastructure project.</p> | <p>Implementing Partner</p> | <p>Infrastructure Development Institute</p> |
| | <p>Department in Charge</p> | <p>Infrastructure and Peacebuilding Department</p> |
| | <p>JICA Center</p> | <p>JICA Yokohama</p> |
| | <p>Cooperation Period</p> | <p>2014 ~ 2016</p> |
| | <p>Remarks and Website</p> | |

| Repair and Maintenance of Construction Equipment and Mechanized Construction Techniques 建設機械整備及び建設施工技術 | | 1684564 |
|--|--|--|
| | | Continuing |
| Target Countries : _____ | | 14 participants |
| Course No. : J1604441 | | |
| Sector : Transportation/Other Transportation Issues | | |
| Sub-Sector : Urban/Regional Development/Other Urban and Regional Development Issues | | |
| Language : English | | |
| Outline | | |
| <p>During this training, the participants will be able to learn the knowledge and experiences for immediate use in the field through theoretical lectures and practical training with real machines. The technical level of the construction machines in Japan is the highest in the world such as hybrid machines. Participants will learn widely the history and trend of the construction equipment development in Japan.</p> | | |
| Objective/Outcome | Target Organization / Group | |
| <p>【Objective】 Improved action plans of the construction management and the maintenance of construction equipment made by central governments in developing countries are to be proposed by the section which the participants belong to.</p> <p>【Outcome】 1. Participants become able to explain the following points: (1) Japanese construction policy (2) quality control and process management about construction of the pre-stressed concrete bridge (3) foundation engineering and soil improvement (4) tunnel construction (5) environmental impact assessment (6) road maintenance (7) project control (8) the outline of construction equipment and the theory of hydraulics (9) the equipment maintenance and repair 2. To make Action Plan to improve the construction management and the maintenance of construction equipment</p> | <p>【Target Organization】 Construction planning division of the government 【Target Group】 <Title> Supervision and control of construction management <Experience> More than 8 years of experience in the construction field <Others> To be a graduate of the university or equivalent in the field of mechanical engineering. Be over 30 years old.</p> | |
| Contents | Course Period | 2016/09/05 ~ 2016/12/02 |
| <p>【Lecture】 1. Construction project development, local load, procurement system, and unmanned operation in dangerous area 2. Basic characteristics, durability, maintenance of concrete structures 3. Production method, quality control, process management of PC bridge 4. Ground survey for foundation construction. Improvement of soft subsoil and testing 5. Environmental preservation, governmental policy for environmental preservation on the road 【Observations】 1. Tunnel construction and obstruction under the construction, process of NATM method, and dynamic background 2. Road construction and improvement of freeway, machines for maintenance of asphalt road, and method of repair and maintenance 3. Classification and performance of equipment, theory of hydraulics, technique of maintenance and inspection, and repair, maintenance and management of the equipment 4. Control system, inspection for the parts of hydraulics and electric circuit, assemble and disassemble of the transmission, structure and function of engine, and maintenance. (Practice) Systematization of planning, management and scheduling models. 【Reports】 1. Job Report describing the situation of the management of construction projects and their equipment and challenges in participant's country prior to coming to Japan and make a presentation during the Course. 2. Making an Action Plan for the future improvement of the management of construction projects and their equipment as a result of the Course.</p> | Implementing Partner | Japan Construction Machinery and Construction Association |
| | Department in Charge | Infrastructure and Peacebuilding Department |
| | JICA Center | JICA Yokohama |
| | Cooperation Period | 2014 ~ 2016 |
| | Remarks and Website | Japan Construction Machinery and Construction Association http://www.jcma.or.jp |

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| Search and Rescue, Disaster Prevention and Environment Protection Course for Maritime Safety Officials at the Operational Level 海上保安実務者のための救難・環境防災コース | | 1684565 Continuing 20 participants | |
| Target Countries : Countries have maritime safety agency/department/organization | | | |
| Course No. : J1604235 | | | |
| Sector : Transportation/Other Transportation Issues | | | |
| Sub-Sector : | | | |
| Language : English | | | |
| Outline | | | |
| <p>In this training course, the participants will have an opportunity to acquire the knowledge and skills of the most basic operations to the officials for maritime safety agency, which are maritime search and rescue operation for the maritime accidents, acquaintance and techniques for the marine environment protection and the countermeasure against pollution in the marine environment caused by oil spill disaster, experiences and lessons learnt from the correspondence to the wide-scale natural disasters like Great East Japan Earthquake, and also the know-how and the approach in Japan, from Japan Coast Guard and other organizations which are the actual agencies who have the advanced and technical knowledge and skills. Moreover, the participants will learn the methods to recognize and to solve the challenges and issues each country has, and formulate the action plans.</p> | | | |
| Objective/Outcome | Target Organization / Group | | |
| <p>【Objective】 This program aims to implement approaches for improvement and /or solution of challenges and issues regarding maritime search and rescue, marine disaster prevention and marine environment protection in participants' organizations based on the action plans made by each participant during the training period in Japan.</p> <p>【Outcome】</p> <ol style="list-style-type: none"> 1. To be able to clarify and understand the present situation, challenges and issues of maritime SAR, marine disaster prevention and marine environment protection system of participants' agencies and departments. 2. To be able to clarify and understand framework of Japan Coast Guard 3. To be able to clarify and understand the international framework, knowledge and skills on maritime SAR. 4. To be able to clarify and understand the international framework, knowledge and skills regarding marine disaster prevention and method of combating oil and Hazardous and Noxious Substances. 5. To be able to clarify and understand the international framework, knowledge and skills on marine environment protection 6. To be able to formulate the action plan for solution of challenges and issues on SAR, marine disaster prevention and marine environment protection system in participants' countries. | <p>【Target Organization】 The agency in charge of Maritime Search and Rescue, Marine Disaster Prevention and Marine Environment Protection</p> <p>【Target Group】</p> <ol style="list-style-type: none"> 1. The maritime safety officials at operational level of the Coast Guard or equivalent organization 2. More than 5 years of experience in the fields of Maritime Search and Rescue, Marine Disaster Prevention, or/and Marine Environment Protection. 3. Less than 50 years old and completed university or equivalent education 4. Have a competent command of spoken and written English 5. Good health both physically and mentally | | |
| Contents | Course Period | 2016/09/25 ~ 2016/11/19 | |
| <p>【Preliminary Phase】</p> <ol style="list-style-type: none"> 1. To understand and analyze the current situation on framework and approaches, and to identify its challenges and issues regarding maritime SAR, marine disaster prevention and marine environment protection in participants' countries. 2. To formulate a country report on the above mentioned topics. <p>【Core Phase in Japan】</p> <ol style="list-style-type: none"> 1. Presentation and Discussion on the country report. 2. Lecture on the framework of Japan Coast Guard and Observation of Japan Coast Guard Academy. 3. Lecture on the basic knowledge regarding maritime SAR. Lectures, exercises and observations of related facilities on actual SAR methods and SAR communication. 4. Lecture on the international framework, the protection system and approaches in Japan corresponding marine oil and Hazardous and Noxious Substances spill accidents. Lectures, exercises, observations of related facilities and drill on actual oil combatting methods. 5. Lecture on the international framework and the approaches in Japan regarding marine environment protection. Lectures, exercises, and observations of related facilities regarding the actual operations, law enforcement and coordination between related organizations on marine environment protection. 6. Lecture on the method to formulate an action plan for solving the challenges and issues regarding the above mentioned subject in participants' countries. Formulation and presentation of the action plan. <p>【Finalization Phase】</p> <ol style="list-style-type: none"> 1. To present and share the action plan made by each participant in | Implementing Partner | Japan Coast Guard, and IMOS | |
| | Department in Charge | Infrastructure and Peacebuilding Department | |
| | JICA Center | JICA Yokohama | |
| | Cooperation Period | 2014 ~ 2016 | |
| | Remarks and Website | | |

Target Countries :

Course No. :J1604440

Sector :Transportation/Other Transportation Issues

Sub-Sector :

Language :English

Outline

This program provides lectures regarding development and planning of "ports and the waterfront area including industrial location" ranging from the basics of civil engineering to the outcomes of leading-edge research. In addition, a session of case study of ports and the waterfront area including industrial location in which the participants will create action plans after lectures and an inspection and will then make presentations of and discuss such action plans.

| Objective/Outcome | Target Organization / Group | |
|--|---|--|
| <p>【Objective】 Based on issues related to port development and maintenance, a feasible action plan will be formulated by participants. (In order for the most effective measures to be worked out, the presented action plans will be discussed among the participants and many private corporations.)</p> <p>【Outcome】 1. The issues related to the port development of respective countries are organized as Inception Report. 2. Participants acquire and become able to explain about basic technical knowledge necessary for port improvement. 3. Participants learn about development / planning methodology of ports and the waterfront area including industrial location and draft preliminary plans. 4. Participants gain an understanding and become able to explain the situation at ports around the world. 5. Participants understand a port construction technology of the Japanese company. 6. Participants formulate action plans that cover port-related global issues and sustainable initiatives. 7. Participants finalize action plan within three (3) month after he/she returns his/ her home country.</p> | <p>【Target Organization】 Port Development and planning section of national government organizations, Port management authorities.</p> <p>【Target Group】 Young port engineers practicing business for at least 3 years responsible for solving problem of global issues (e.g. maintenance, environment, disaster management, etc.)and their sustainable measures. University graduates with good command of English.</p> | |
| <p>Contents</p> | <p>Course Period</p> | <p>2016/06/05 ~ 2016/08/13</p> |
| <p>【Preliminary Phase in a participant s home country】 Creation of Inception Reports.</p> <p>【Core Phase in Japan】 1. Lecture/experiment(hands-on training)in basic techniques relating to: (1)Marine/water engineering technologies, (2)Foundation/structure, technologies, (3)Execution/control technologies. 2. Development/planning: (1)Lecture on port policies,(2)Lecture/hands-on training on port planning/designing and formulation of plans and designs,(3)Lecture on and inspection of examples of the port informatization, (4)Lecture on and inspection of methodology of port development/management integrated with business establishment in waterfront areas. 3. Circumstances surrounding ports in the world: (1)Globalization, (2)International treaties pertaining to ports. 4. Maintenance and management, the environment, disaster prevention, etc.:(1)Examples of the maintenance and management as well as the effective use of port facilities.,(2)Examples of environmental conservation and environmental impacts assessment,(3)Lecture on efforts to prevent disasters of port facilities. 5. Preparation and Presentation of Action Plan.</p> <p>【Finalization Phase in home country】 Preparation and submission of Final Action Plan (finalized Action Plan) and Progress Report</p> | <p>Implementing Partner</p> | <p>Under Planning</p> |
| | <p>Department in Charge</p> | <p>Infrastructure and Peacebuilding Department</p> |
| | <p>JICA Center</p> | <p>JICA Yokohama</p> |
| | <p>Cooperation Period</p> | <p>2016 ~ 2018</p> |
| | <p>Remarks and Website</p> | <p>http://www.mlit.go.jp/en/kowan/index.html</p> |

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| Strategic Port Administration and Management (for port manager) 港湾戦略運営 | | 1684567 Updated |
| Target Countries : _____ | | 20 participants |
| Course No. : J1604442 | | |
| Sector : Transportation/Other Transportation Issues | | |
| Sub-Sector : | | |
| Language : English | | |
| Outline | | |
| The program aims to lead the participants toward the solution of their own countries' issues by providing information and knowledge about port development and port administration and management. Through the series of program sessions that consist of general introduction and case-studies including site-visit to port-related facilities and discussions, the participants will create action plans that address their own countries' issues by considering increasingly complex and diversified port situation. | | |
| Objective/Outcome | Target Organization / Group | |
| <p>【Objective】 The participants will consider on their own how to address various issues they have and then create action plans. The program aims to enhance the capabilities of the participating organizations about strategic port development and port administration and management.</p> <p>【Outcome】 1. Participants acquire and become able to sort out knowledge about strategic port development planning and feasibility study survey that is essential for preparatory survey for making the plan. 2. Participants acquire and become able to sort out knowledge about port administration and operational management. 3. Participants acquire and become able to sort out knowledge about trends of world maritime transportation and port development. 4. Participants recognize activities of Japanese government and private sectors about coordinating development of ports and waterfront industrial sites in Japan and overseas. 5. Participants create action plans by sorting out the port development issues of their own countries, and then conduct the projects based on these plans.</p> | <p>【Target Organization】 Port strategy and planning section of national government organizations, Port management authorities.</p> <p>【Target Group】 Officials at a managerial level or those assured to be promoted to the level who are working for port and harbor management in public administration. Have 8 or more years of experience in this field. University graduates with good command of English.</p> | |
| Contents | Course Period | 2017/01/15 ~ 2017/02/25 |
| <p>The program consists of preliminary phase in home country, core phase in Japan, core phase in a third-country, finalization phase in home country and monitoring activities by JICA experts().</p> <p>【Preliminary Phase in home country】 (1) Submission of pre-training assignment (2) Creation of Inception Reports</p> <p>【Core phase in Japan】 (1) Port management (2) Strategic port administration (3) World trends of ports (4) Port development, operational management and planning (5) Environmental and social considerations</p> <p>【Core phase in a third-country】 (1) Site visit to ports in a third country as a case study of port development and port administration and management</p> <p>【Finalization Phase in home country】 (1) Completion of action plans</p> <p>【Monitoring activities】 (1) Monitoring the implementation status of action plans Target countries of monitoring activities will be selected based on action plans</p> | Implementing Partner | Under Planning |
| | Department in Charge | Infrastructure and Peacebuilding Department |
| | JICA Center | JICA Yokohama |
| | Cooperation Period | 2016 ~ 2018 |
| | Remarks and Website | http://www.mlit.go.jp/en/kowan/index.html |

Target Countries : Asian Countries

Course No. : J1604033

Sector : Transportation/Other Transportation Issues

Sub-Sector :

Language : English

Outline

Smooth and prompt cargo transport is essential in economic activity and largely affects socio-economic development of a country. In order to improve and promote efficient and effective logistic systems as well as smooth cross-border transaction in Asian region, participants will analyze their own issues through lectures, site visits and discussion.

| Objective/Outcome | Target Organization / Group | |
|---|---|--|
| <p>【Objective】 Participant will analyze the issue they face in logistic system development and formulate action plan to tackle the bottlenecks.</p> <p>【Outcome】 1. Extract and analyze the current logistic systems in their own country/Asian Region. 2. Understand the policy/history of development/ current situation of logistic systems in Japan through lectures and site visits. 3. Formulate action plan in order to improve the logistic system in their own country/Asian Region.</p> | <p>【Target Organization】 Ministries or agencies in charge of logistic systems</p> <p>【Target Group】 1. officials currently engaged in logistic sector at government or public organization 2. Experience in the relevant field: 3 years or more 3. language: Have a competent command of spoken and written English</p> | |
| <p>Contents</p> | <p>Course Period</p> | <p>2016/06/22 ~ 2016/07/23</p> |
| <p>1. Prepare inception report in which Participant will analyze their current situation/ bottlenecks to improve their logistic system. 2. Understand the policy/history of development/current system of logistics in Japan through lectures and site visits, and discuss its applicability/adaptability to their own country/region 3. Formulate action plan and discuss with other participants to increase the feasibility of the action plan</p> | <p>Implementing Partner</p> | <p>Under Planning</p> |
| | <p>Department in Charge</p> | <p>Infrastructure and Peacebuilding Department</p> |
| | <p>JICA Center</p> | <p>JICA Okinawa</p> |
| | <p>Cooperation Period</p> | <p>2015 ~ 2017</p> |
| | <p>Remarks and Website</p> | |