

COMPUTER (IT DIVISION MANAGER)

コンピュータ(情報処理部門管理者)

Aug.26, 2003 ~ Nov.8, 2003 12 participants J0300555

OVERALL GOAL / PURPOSE

This course is designed to train persons who are presently managers under one year experience in the information processing division or who are appointed to the manager of the information processing division. This course provides the skills necessary for information processing system planning and its operation, and management of information processing division.

QUALIFICATION OF APPLICANT

- 1) person with over 3 years experience in information processing system development or maintenance
- 2) a manager with 1 year or less experience, or going to be appointed to a manager
- 3) university graduate or equivalent
- 4) 30-45 years of age

COURSE CONTENTS

In this course, the emphasis is put on lectures, discussions, hands-on exercises and observation tours. As this course is aimed at persons with enough experience of system development and maintenance, this course contains a little machine exercise and lots of discussions.
The main themes are:
(1) Business Analysis (2) DSS (Decision Support System) (3) Client/Server System Design (4) Test Planning (5) Project Management (6) DP Division Management (7) System Audit (8) CASE Study (9) Project Management Simulation (10) Advanced Computer Technology (11) Special Lecture.

LANGUAGE

English

TRAINING INSTITUTIONS

NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)

JICA CENTER

Okinawa International Centre

COOPERATION PERIOD

1997 ~ 2006

REMARKS**DIGITAL VIDEO PRODUCTION**

デジタルビデオ制作

Aug.19, 2003 ~ Dec.12, 2003 8 participants J0300473

OVERALL GOAL / PURPOSE

This course is designed to help participants acquire fundamental knowledge and skills for production and utilization of video media for educational training and its spread in participating countries.

QUALIFICATION OF APPLICANT

- (1) person who has been engaged in planning, production and utilization of video media in public institutions.
- (2) having within 5 years experience
- (3) under 35 years of age
- (4) university graduate or equivalent

COURSE CONTENTS

In this course, the emphasis is put on video program production.
The main themes are:
(1) basic theory of audiovisual communication
(2) case study of utilization of video media
(3) technique of video materials and production
(4) exercises
(5) observation
(6) final production

LANGUAGE

English

TRAINING INSTITUTIONS

JAPAN INTERNATIONAL COOPERATION CENTER

JICA CENTER

Okinawa International Centre

COOPERATION PERIOD

1994 ~ 2003

REMARKS**BROAD-BAND TELECOMMUNICATION NETWORK MAINTENANCE TECHNIQUES**

ブロードバンドネットワーク保守技術

Jan.19, 2004 ~ Mar.12, 2004 10 participants J0300821

OVERALL GOAL / PURPOSE

Now under planning

QUALIFICATION OF APPLICANT

Now under planning

COURSE CONTENTS

Now under planning

LANGUAGE

English

TRAINING INSTITUTIONS

NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION

JICA CENTER

Kyusyu International Centre

COOPERATION PERIOD

2003 ~ 2007

REMARKS

MULTIMEDIA PRODUCTION FOR EDUCATION(A)

マルチメディア教材制作(A)

May.6, 2003 ~ Aug.22, 2003 8participants J0300437

OVERALL GOAL / PURPOSE

The purpose of this course are:
 (1) to introduces basic theory and practice of audiovisual technology in the area of IEC(Information, Education and Communications) to the participants who are engaged in production and utilization of the audiovisual media
 (2) to enhance production and the effective application of audiovisual media in human communication by the participants' organizations

QUALIFICATION OF APPLICANT

(1)person who plays a role in planning, production and utilization of audiovisual media with 2-5 years of experience. This course is not designed for those who are working in TV stations
 (2)under 40 years of age
 (3)university graduate or equivalent

LANGUAGE

English

COURSE CONTENTS

The emphasis of this course is put on the basic production skills of audiovisual media.
 Main subjects covered in this course are:
 (1) basic theories in audiovisual communications media
 (2) basic video
 (3) desktop publishing
 (4) slide
 (5) other presentation media
 (6) final productiond

TRAINING INSTITUTIONS

JAPAN INTERNATIONAL COOPERATION CENTER

JICA CENTER

Okinawa International Centre

COOPERATION PERIOD

1994 ~ 2003

REMARKS
MULTIMEDIA PRODUCTION FOR EDUCATION (B)

マルチメディア教材制作(B)

Jan.6, 2004 ~ Apr.25, 2004 8participants J0300491

OVERALL GOAL / PURPOSE

The purpose of this course are:
 (1) to introduces basic theory and practice of audiovisual technology in the area of IEC(Information, Education and Communications) to the participants who are engaged in production and utilization of the audiovisual media
 (2) to enhance production and the effective application of audiovisual media in human communication by the participants' organizations

QUALIFICATION OF APPLICANT

(1)person who plays a role in planning, production and utilization of audiovisual media with 2-5 years of experience. This course is not designed for those who are working in TV stations
 (2)under 40 years of age
 (3)university graduate or equivalent

LANGUAGE

English

COURSE CONTENTS

The emphasis of this course is put on the basic production skills of audiovisual media.
 Main subjects covered in this course are:
 (1) basic theories in audiovisual communications media
 (2) basic video
 (3) desktop publishing
 (4) slide
 (5) other presentation media
 (6) final productiond

TRAINING INSTITUTIONS

JAPAN INTERNATIONAL COOPERATION CENTER

JICA CENTER

Okinawa International Centre

COOPERATION PERIOD

1994 ~ 2003

REMARKS
REMOTE SENSING TECHNOLOGY III

リモートセンシング技術III

May.6, 2003 ~ Jul.13, 2003 10participants J0300776

OVERALL GOAL / PURPOSE

The purpose of the course is to transfer fundamental knowledge and technology on satellite remote sensing, mainly focused on digital analysis, to the researchers and engineers from developing countries, through lectures, practices, field trips, and so on.

QUALIFICATION OF APPLICANT

(1) university graduate, or equivalent with fundamental knowledge of physics and mathematics
 (2) researcher or engineer in remote sensing application fields, such as country planning, agriculture, forest management and mapping
 (3) under 40 years of age

LANGUAGE

English

COURSE CONTENTS

In this course, the emphasis is put on workshop using computers.
 The following are the major subjects to be covered in the course.
 (1) basic theory
 (2) sensor satellite
 (3) image processing
 (4) application
 (5) ground truth
 (6) workshop: digital image analysis, geometric correction and GIS, personal computer processing, personal computer system and programming

TRAINING INSTITUTIONS

REMOTE SENSING TECHNOLOGY CENTER OF JAPAN

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

2003 ~ 2007

REMARKS

RURAL TELECOMMUNICATION PLANNING ル-ラル通信計画	
Feb.3, 2004 ~ Mar.14, 2004 10 participants J0300703	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The purpose of the course is to introduce technological information on rural telecommunication systems to the participants so that they can acquire basic knowledge and skill concerning fundamental elements in making plans of actual network in rural areas of their countries.	(1) university graduate specialized in telecommunications or equivalent (2) in charge of network planning or so scheduled (3) under 45 years of age
COURSE CONTENTS	LANGUAGE
The first part of the curriculum includes lectures on rural telecommunication network designing method, and on various rural telecommunication systems. The second part is a drill practice, which is intended to simulate the rural telecommunication network designing augmented by the application of economic analysis.	English
	TRAINING INSTITUTIONS
	THE ITU ASSOCIATION OF JAPAN, INC.
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	2000 ~ 2004
	REMARKS

SATELLITE COMMUNICATION ENGINEERING AND APPLICATIONS 衛星通信応用技術	
May.13, 2003 ~ Jul.12, 2003 10 participants J0300852	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
Through the course, participants are expected to: (1) improve understanding on fundamental technologies in satellite communications, (2) acquire knowledge about various satellite communication systems including INTELSAT, INMARSAT and others, and (3) gain a basic knowledge of the latest and future technologies/systems relating to telecommunications.	(1) be university graduates specialized in telecommunications and/or electrical/electronic engineering or having equivalent knowledge of satellite communication engineering, currently engaged in the field of satellite communication engineering with working experience of not less than 3 years. (2) be under forty (40) of age.
COURSE CONTENTS	LANGUAGE
1. General Aspects of Satellite Communication 2. Basic Theory of Fixed Satellite Communication Systems 3. Earth Station Facilities for Satellite Communication 4. INMARSAT Communication Systems 5. Application Technologies Satellite Communication 6. Other Telecommunications Technologies 7. Group Discussion 8. Observation 9. Others	English
	TRAINING INSTITUTIONS
	KDDI ENG. & CONSULTING, INC.
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	2000 ~ 2004
	REMARKS
	A participating experience in any JICA group training course on satellite communication engineering is regarded as a disqualifying condition.

RAPID MAIL SERVICE II 急速郵便業務II	
Oct.14, 2003 ~ Nov.9, 2003 7 participants J0300806	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The present course aims to effect the transfer of technology used in rapid mail service operations to overseas managers of such operations and thus improve the quality of mail service between Japan and these countries.	Applicants should:(1)be managers in the rapid mail operations department of their country's mail service authority and have at least five years's experience, (2)have a university degree or an equivalent level of specialist knowledge, (3)be between 25 and 45 years of age.
COURSE CONTENTS	LANGUAGE
(1)Explanation of Japan's rapid mail service and related areas (2)Observation(Osaka international Mail Office,Osaka International Mail Center,Tokyo International Mail Office etc) (3)Discussion with personnel from the mail service feild (4)Formulation of improvement plans for participating countries.	English
	TRAINING INSTITUTIONS
	INTERNATIONAL POSTAL RESEARCH CENTER
	JICA CENTER
	Osaka International Centre
	COOPERATION PERIOD
	2003 ~ 2007
	REMARKS
	The present course is offered for the first time in fiscal year 1998 to replace the discontinued course in Postal Operation Management for island Regions.

INFORMATION TECHNOLOGY FOR SCHOOL TEACHERS AND STAFFS

教育関係者のためのIT研修

Sep.30, 2003 ~ Nov.30, 2003 20participants J0303501

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
1) To understand the basics of computer hardware, software and the internet 2) To utilize personal computer and the internet 3) To utilize information and communication technology in primary and secondary education 4) To build a human relationship between Japan and respective countries	Main qualifications are : (1) Teachers and staffs of mainly primary and secondary school responsible for introducing IT to their schools (2) have more than 1 year of experience (3) have none, or less than 3 years of computer experience (4) under 35 years of age.
	LANGUAGE
	English
COURSE CONTENTS	TRAINING INSTITUTIONS
In this course, the emphasis is put on lectures, computer exercise and workshop. The main themes are: (1) Basic of Information Technology (Hardware, software and network) (2) Computer Exercise (Operation of Personal Computer, Word Processing, Spread Sheet, WWW, E-mail, Presentation Software) (3) Advanced Information Technology (4) Real Application of IT	FACULTY OF ENGINEERING, UNIVERSITY OF THE RYUKYUS JICA CENTER Okinawa International Centre
	COOPERATION PERIOD
	2001 ~ 2005
	REMARKS

FIBER OPTICS BACKBONE NETWORK (LAND & SUBMARINE CABLE)ENGINEERING

光基幹伝送路網(陸上及び海底ケーブル)技術

Jan.20, 2004 ~ Mar.6, 2004 8participants J0303478

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The purpose of this course is to enable participants to acquire general knowledge of Fiber Optics Backbone Network and International Optical Fiber Submarine Cable system.	(1) be engineers in telecommunications carriers, or telecommunications regulatory officials in optical telecommunication network or optical fiber submarine cable system (2) have Fundamental knowledge of optical fiber system or digital telecommunication system (3) be university graduates in telecommunications/ electrical/ electronic engineering (4) be under 40 years of age.
	LANGUAGE
	English
COURSE CONTENTS	TRAINING INSTITUTIONS
The course mainly consists of lectures, demonstrations and observations. The main items covered in this course are as follows: (1) Optical fiber communication (2) Planning of Optics backbone network (3) WDM & Optics multiplex terminal equipments (4) Optical submarine cable system (5) Optical Device & Optical measurement technology (6) Operation and maintenance of Optical network & submarine cable (7) Optics LAN/WAN (8) Trend of future optical telecommunication technology	KDDI ENG. & CONSULTING, INC.
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	2000 ~ 2004
	REMARKS
	(3) be university graduates in telecommunications/ electrical/ electronic engineering (4) be under 40 years of age.

FIBER OPTICS OUTSIDE PLANT ENGINEERING

光線路技術

Jan.26, 2004 ~ Mar.11, 2004 10participants J0300333

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
To train participants to be able to operate and maintain optical fiber transmission systems introduced or proposed in each country. The course outlines the basic theory of the optical fiber cable, optical devices, etc., and planning, designing and construction of the system. The training includes sufficient practical training in the transmission field.	(1) univ. graduate or equivalent in telecommunication or electrical engineering (2) working for tele- communication administrations or telecommunication common carrier organizations for at least 5 years (3) having a knowledge of the basic concepts on the digital transmission engineering (4) under 40 of age
	LANGUAGE
	English
COURSE CONTENTS	TRAINING INSTITUTIONS
Lectures, practical exercises, discussions and observation tour. The main themes are: (1) Optical Fiber Line Technology; theory, characteristics, structure, design, cable construction technology (2) Digital Transmission Technology; principle, digital multiplex hierarchy, analog to digital conversion, synchronized multiplexing (3) Optical Fiber Transmission Technology; optical source and detector, line code, system design (4) Other Outside Plant Technology; maintenance technology, practical exercise of civil engineering, metallic line cable technology and design (5) Other Technology; digital exchange system, ISDN service, wireless local loops, PHS (6) Administration Techniques (7) Field Trip	NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION JICA CENTER Hyogo International Centre
	COOPERATION PERIOD
	1987 ~ 2006
	REMARKS
	A compulsory intensive Japanese language course will be conducted along with the technical training for 25 hours.

INTERNATIONAL TELECOMMUNICATION SERVICES

国際通信業務サービス

Jan.13, 2004 ~ Mar.6, 2004 10 participants J0300650

OVERALL GOAL / PURPOSE

This course is designed to renew and upgrade participants' knowledge and skill in administration and management of international telecommunication services through the study of both conventional and the latest telecommunication technologies and various services.

QUALIFICATION OF APPLICANT

- 1) university graduates or equivalents knowledge, having occupational experience of more than five years in the field of international telecommunication services
- 2) presently engaged in administrative and managerial work of international telecommunication services
- 3) under 40 years of age

LANGUAGE

English

COURSE CONTENTS

The course mainly consists of lectures, discussions and practical exercises and covers 1) management and public relations activities, 2) system and technologies, 3) service and operation. Observation trips to relevant facilities are integrated to augment the programme.

TRAINING INSTITUTIONS

KDDI ENG. & CONSULTING, INC.

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

2000 ~ 2004

REMARKS

INTERNATIONAL ISDN TELECOMMUNICATION ENGINEERING AND APPLICATIONS

国際通信総合サービスデジタル網応用技術

May.27, 2003 ~ Jul.12, 2003 10 participants J0900674

OVERALL GOAL / PURPOSE

Through the course, participants are expected to have knowledge of:
 (1) outline of ISDN network and services. (2) network configuration for international ISDN.
 (3) international digital transmissions, such as digital satellite systems and optical fiber systems. (4) international applications of Signaling System No.7. (5) international switching systems for ISDN. (6) operation and maintenance of international ISDN. (7) ISDN ser-Network Interface (UNI) and protocols.

QUALIFICATION OF APPLICANT

- (1) engineer engaged in the field of international telecommunication
- (2) person with a fundamental knowledge of digital communications (such as digital transmission principles of PCM, multiplexing, synchronization and digital switching)
- (3) between 26 and 42 years of age

LANGUAGE

English

COURSE CONTENTS

- (1) Lectures
 - a. Overview of ISDN ;New Technology Trend, Outline of International ISDN
 - b. Review of Digital Technology: Digital Transmission, Digital Switching
 - c. Network Planning: ISDN Network Plan: Photonic Network Technology
 - d. ISDN Technology and Services: Introduction of INTERNET: Information Technology
- (2) Observation Tour:
 KDDI Network Management Centre, KDDI Yamaguchi Satellite Earth Station, KDDI Oyama International Telecommunication Centre, Fujitsu, NEC (Nippon Electric Corporation), etc.

TRAINING INSTITUTIONS

KDDI ENG. & CONSULTING, INC.

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

2000 ~ 2004

REMARKS

INFORMATION SYSTEMS PROMOTING COURSE

情報化推進

Oct.13, 2003 ~ Dec.7, 2003 9 participants J0300680

OVERALL GOAL / PURPOSE

Even though it may be desirable to automate office work through the use of computers and other equipment, a computer system alone will not provide excellent results if the present methods of conducting business transactions do not change. This course seeks to deepen an understanding of new office work systems by re-evaluating present systems and planning methods before proceeding to the use of computers and automation.

QUALIFICATION OF APPLICANT

- (1) university graduates or equivalent (2) person in public organization who is planning to improve their work and service with introduction of new information systems
- Exceptions: (a) not be specializing in operations associated with computers, (b) possess at least basic knowledge of PC(3) under 45 years of age

LANGUAGE

English

COURSE CONTENTS

- The main themes are:
 - (1) Present state of proliferation of information technology in Japan
 - (2) Present state of the Japanese administration's information system
 - (3) Present state of information technology in Business
 - (4) New information technology
 - (5) Office amenities
 - (6) Present state of venture business
 - (7) case studies (examples of company and local government)

TRAINING INSTITUTIONS

KANSAI INSTITUTE OF INFORMATION SYSTEMS

JICA CENTER

Osaka International Centre

COOPERATION PERIOD

2000 ~ 2004

REMARKS

TELECOMMUNICATION NETWORK PLANNING AND DESIGNING 総合通信網計画設計	
Jun.9, 2003 ~ Aug.9, 2003 9 participants J0300817	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The purpose of the course is to provide telecommunication engineers with practical knowledge and techniques on the outline of systems, fundamental network design and network planning including IP techniques to improve and update their skills and to exercise leadership at their workplace.	(1) be telecommunication engineers who are currently working in network planning, designing and constructing, and who are scheduled to engaged in Broadband telecommunication network construction (2) be under 40 years of age
COURSE CONTENTS	LANGUAGE
(1) Basic planning of network; outline of NTT, network structure, numbering, charging, signaling, communication quality, common channel signaling system, IP, XDSL, optical IP access network techniques (2) Detailed planning of network; traffic theory, demand and traffic forecast, office location planning, trunk line planning, transmission line planning, subscriber line planning, intensive case study (3) Observation visit	English
	TRAINING INSTITUTIONS
	NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION
	JICA CENTER
	Kyusyu International Centre
	COOPERATION PERIOD
	2003 ~ 2007
	REMARKS

TELECOMMUNICATION OUTSIDE PLANT ENGINEERING TECHNIQUES 通信線路技術者育成	
Aug.18, 2003 ~ Nov.29, 2003 9 participants J0300618	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
In order to expand telecommunication network properly in developing countries, this training course is designed for engineers to provide skills and knowledge required for design and construction of telecommunication outside plant.	(1) be telecommunication engineer or supervisor who have more than 3 years of practical experience in outside plant facility of telephone (2) 35 years of age or younger
COURSE CONTENTS	LANGUAGE
The course is conducted in the form of lectures, discussions and practice, emphasizing on the job training. Observation visits to related factories and industries are also arranged. The training subjects covered in the course are; (1) basic knowledge on outside equipment (2) construction (3) maintenance engineering (4) design engineering (5) construction and maintenance of communication equipment and devices (6) basic knowledge on inside plant (7) safety and quality control.	English
	TRAINING INSTITUTIONS
	NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION
	JICA CENTER
	Kyusyu International Centre
	COOPERATION PERIOD
	1999 ~ 2003
	REMARKS

TRANSMISSION TECHNOLOGY FOR TELECOMMUNICATIONS 伝送通信技術	
Sep.29, 2003 ~ Nov.9, 2003 11 participants J0300344	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
To introduce the practical knowledge for the designing and administrative techniques on digital transmission system.	(1) univ. graduate or equivalent in telecommunication or electrical engineering (2) working for telecommunication administrations or common carrier organization for at least five years (3) having a knowledge of the basic concepts on the digital transmission engineering (4) under 40 years of age
COURSE CONTENTS	LANGUAGE
Lectures, practical exercises, discussions and observation tour. The main themes are: (1) digital transmission technology; digital multiplex hierarchy, analogue to digital conversion, synchronized multiplexing, video transmission system (2) optical fiber transmission technology; optical source and detector, line code, system design, transmission standard, transmission quality (3) optical fiber line technology, optical fiber transmission theory, characteristics of optical fiber, structure of optical fiber (4) microwave communication system; digital microwave communication, satellite communication, microwave network construction (5) relational technology; digital switching systems engineering, ISDN service, communication quality (6) planning design; transmission network, transmission line facility, digital radio-relay system, optical fiber cable (7) study tour & field trip.	English
	TRAINING INSTITUTIONS
	NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION
	JICA CENTER
	Hyogo International Centre
	COOPERATION PERIOD
	2000 ~ 2004
	REMARKS
	A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks (25 hours).

TELECOMMUNICATIONS POLICY AND REGULATIONS

電気通信政策

May.25, 2003 ~ Jun.14, 2003 8 participants J0303481

OVERALL GOAL / PURPOSE

Through the course, participants are expected:(1) to confirm the importance of deregulation, especially privatization and competition, in telecommunications sector for economic development and (2) to increase knowledge of experiences and trends of deregulation, preparation for creating competitive telecommunications market, role of the administrator under competitive environment, importance of universal access/service, and business strategy of telecommunications carriers under competitive environment.

QUALIFICATION OF APPLICANT

- (1) be in charge of policy making in telecommunication services (directors or equivalent),
- (2) have several years of experience in the Government in charge of telecommunication,
- (3) be 30 to 50 years of age,
- (4) be university graduates or the equivalents

LANGUAGE

English

COURSE CONTENTS

- (1) Deregulation trends in telecommunications sector
- (2) Deregulation and Development in the Japanese telecommunications sector
- (3) Managing privatization and new common carriers
- (4) Managing national resources and human resources development
- (5) Telecommunications development in rural areas
- (6) Competition in the telecommunications service markets
- (7) Visits to R&D facilities
- (8) Country Report Presentation
- (9) Discussion for effective regulation

TRAINING INSTITUTIONS

RESEARCH INSTITUTE OF TELECOM. AND ECONOMICS

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

2000 ~ 2004

REMARKS

TELECOMMUNICATIONS STANDARDIZATION

電気通信標準化

Jan.20, 2004 ~ Feb.22, 2004 8 participants J0303479

OVERALL GOAL / PURPOSE

The purposes of this course are to introduce to administrators and engineers engaged in telecommunications standardization, through lectures, observations, and discussions, systems, organizations, activities, and up-to-dated technology in the field of telecommunications standardization, and thereby to contribute to promotion and improve telecommunications standardization activities of participating countries.

QUALIFICATION OF APPLICANT

- (1) university graduate or equivalent
- (2) be an administrative official in charge of telecommunications or an expert of a telecommunications carrier (It is preferable that the applicant is currently engaged in the work of telecommunications standardization.)
- (3) under 45 years of age

LANGUAGE

English

COURSE CONTENTS

This course is composed of lectures, observations, and discussions. Its main topics are: standardization activities of Japan and of ITU, current situation of standardization administration, standardization activities of various organizations, technical standards conformity certification, and technology and services in the field of telecommunications such as mobile communication, IP-based network, Fixed Wireless Access.

TRAINING INSTITUTIONS

INFORMATION AND COMMUNICATIONS POLICY BUREAU,MPHPT

JICA CENTER

Hachioji International Centre

COOPERATION PERIOD

2000 ~ 2004

REMARKS

RADIO FREQUENCY MONITORING II

電波監視II

Sep.23, 2003 ~ Nov.1, 2003 9 participants J0300180

OVERALL GOAL / PURPOSE

The purpose of this training course is to: (1) provide fundamental knowledge of radio frequency monitoring (2) provide fundamental knowledge of radio regulatory schemes in Japan (3) provide knowledge of monitoring equipment utilized in Japan.

QUALIFICATION OF APPLICANT

- (1) person with practical experience in the field of radio regulatory administration (radio frequency monitoring, frequency management, etc.)
- (2) under 40 years of age
- (3) college graduate or equivalent

LANGUAGE

English

COURSE CONTENTS

In this course, the emphasis is put on introduction of basic theory of radio monitoring and the system and techniques in Japan. The main themes of the course are; (1) outline of radio regulatory administration and legal system for radio regulations and (2) practice of radio planning and monitoring.

TRAINING INSTITUTIONS

TELECOMMUNICATIONS BUREAU,RADIO DPT, MPHPT

JICA CENTER

Yokohama International Centre

COOPERATION PERIOD

1994 ~ 2003

REMARKS

SEMINAR ON POSTAL SERVICE MANAGEMENT

郵便事業経営セミナー

Feb.8, 2004 ~ Feb.22, 2004 12participants J0300702

OVERALL GOAL / PURPOSE

The seminar provides the participants with the knowledge of current postal services in Japan, and opportunities to discuss the problems common among the participating countries. Participants are expected to: (1) understand present situations and problems of postal services in their countries, (2) be familiar with the planning of postal infrastructures, and the quality improvement of postal services in a rapidly changing socio-economic conditions, and (3) discuss measures to meet evolving needs of customers.

QUALIFICATION OF APPLICANT

(1) be director generals or, at least, officials who are higher than directors for general affairs in the central governmental organizations, or be director generals or deputy director generals in regional postal bureaus,
(2) have a sufficient command of spoken and written English.

LANGUAGE

ENGLISH

COURSE CONTENTS

(1) Lecture: New postal services which are expected to have more demands in near future, such as the night redelivering service, collect on delivery mail service, electric mail service and postal commemorative service are to be included in the curriculum. In addition, technical support for the development of software for the customer control and quality control systems will be emphasized, for the purpose of increasing postal revenue.
(2) Observation: Several observations of small-medium sized post offices are prepared with the opportunity of studying modern equipment and facilities.

TRAINING INSTITUTIONS

Postal Services Agency

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

2000 ~ 2004

REMARKS

TELEVISION PROGRAMME PRODUCTION (BASIC)

テレビジョン番組制作の基礎

Jul.1, 2003 ~ Sep.13, 2003 10participants J0300715

OVERALL GOAL / PURPOSE

This course aims to advance the television program production skills of TV producers and directors, thus contributing to the development of TV broadcasting. The course emphasises on such practical training on the techniques as planning, preparing a proposal, structuring, shooting on location, interviewing, editing, and videotaping.

QUALIFICATION OF APPLICANT

(1) be a programme producer or programme director, working in a broadcaster / broadcasting corporation
(2) have experience of more than 2 and less than 7 years in TV programme production
(3) be between 22 to 30 years of age,
(4) be university graduates or the equivalent

LANGUAGE

English

COURSE CONTENTS

(1) Lectures: Role and responsibility of directors; the current broadcasting situation in Japan; the basics of programme production, planning and structuring; case study of programme production
(2) Practical Training:
a) Programme production: participants will be divided into 3 groups and will plan, structure, interview and produce a documentary programme. The completed documentary will be viewed, and the structure and contents of the programme will be discussed to identify the outcome of the training and future challenges.
b) Studio work including lectures on camerawork, lighting and sound effects
(3) Observation: NHK Broadcasting Center; schools that incorporate audiovisual and media education, etc.

TRAINING INSTITUTIONS

NHK COMMUNICATIONS TRAINING INSTITUTE

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

2001 ~ 2005

REMARKS

Participants are required to bring at least one programme which he/she produced/directed.

TELEVISION ENGINEERING III

テレビジョン放送技術III

Jun.24, 2003 ~ Sep.13, 2003 10participants J0300775

OVERALL GOAL / PURPOSE

This course is established for engineers who are engaged in the broadcasting field to acquire fundamental knowledge and techniques of TV Broadcasting as well as to comprehend the trend of the latest broadcasting technologies, thus contributing to the improvement of TV broadcasting in developing countries.

QUALIFICATION OF APPLICANT

(1) engineers serving in a broadcasting organization with practical experience of 3 to 15 years in TV engineering
(2) university/college graduates or equivalent in electronic engineering
(3) to be less than 35 years of age
(4) Proficiency in English is necessary

LANGUAGE

English

COURSE CONTENTS

(1) To understand the basic principles of TV Broadcasting equipment; TV studio facilities, VTR & video editing system, program production techniques, TV transmitter, antenna and propagation, TV receiving techniques, outside broadcasting, maintenance and measurement.
(2) To acquire the fundamental knowledge of the application of digital techniques; fundamentals of digital engineering.
(3) To understand the trend of the latest technologies, including satellite broadcasting, High Definition TV (HDTV) and digital broadcasting; observation of NHK Science and Technical Research Laboratories, NHK regional station, manufacturers' factories and others.

TRAINING INSTITUTIONS

NHK COMMUNICATIONS TRAINING INSTITUTE

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

2003 ~ 2007

REMARKS

AUDIO BROADCASTING ENGINEERINGII

音声放送技術II

Jan.6, 2004 ~ Mar.12, 2004 10participants J0300609

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The purpose of the course is to provide audio broadcasting engineers with theoretical and practical knowledge of the intermediate level of audio technique, and AM and FM transmitting, through lectures and practices.	(1) engineers with overall experiences of 3 to 15 years in general audio-broadcasting (2) between 25 and 35 years of age (3) university/college graduates or equivalent in electronic engineering (4) to continue working in the above mentioned field after returning to home countries.
COURSE CONTENTS	LANGUAGE
Lectures and practices: Broadcasting System in Japan Basic of Audio Broadcasting Engineering Audio Broadcast Transmitters (AM&FM) SW Transmission Latest Broadcasting Technology	English
observation: NHK Broadcasting Center, NHK regional station, broadcasting equipment manufacturer, etc.	TRAINING INSTITUTIONS
	NHK COMMUNICATIONS TRAINING INSTITUTE
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	1999 ~ 2003
	REMARKS

ADVANCED TELEVISION PROGRAMME PRODUCTION

上級テレビジョン番組制作

Jan.6, 2004 ~ Mar.12, 2004 10participants J0300716

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The aim of this course is the promotion of leadership of senior producers or directors in managing post. In order to achieve this goal, there will be introductions on the situation of the Japanese Media, which consists of both digital and analog broadcasting, as well as the comparison of the NHK's traditional and digital-era programme production method. This will enable the participants to have an opportunity to find the best method and technology matching their countries situation.	(1) senior programme producer or director, in managerial post in a broadcasting corporation (2) have practical experience of 10-15 years (3) be under 45 years of age, (4) be university / college graduates or have an equivalent educational background.
COURSE CONTENTS	LANGUAGE
Lectures: (1) current trend of the digitalization in Japan and world, (2) proposal system to meet the need of audience, (3) planning techniques for documentary programme, (4) quality control and cost management of the programme, (5) personnel promotion measures and personnel training system. Practical Training: Programme production of appx. 15 minutes documentary programme through planning, preparing proposal, structuring, shooting on location, interviewing, editing, and videotaping Observation: The latest broadcasting equipment and devices in NHK and Manufacturing Companies. NHK Local Stations. Elementary Schools using audiovisual Education, etc.	English
	TRAINING INSTITUTIONS
	NHK COMMUNICATIONS TRAINING INSTITUTE
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	2001 ~ 2005
	REMARKS
	Participants are required to bring at least one programme which he/she produced/directed.

Energy/Mineral

〈エネルギー・鉱業〉

PLANT ENGINEERING AND TECHNICAL STANDARD FOR ENERGY RELATED FACILITIES

エネルギー関連設備の管理と技術基準

Sep.29, 2003 ~ Nov.24, 2003 10participants J0303457

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The participants are expected to have the latest knowledge of: (1)Outline of regulations for energy related facilities in Japan (2)Design and fabrication standard for pressure vessels, tanks, piping, etc. (3)Strength and material design (4). Fabrication control (5). Maintenance management etc. Facilities and components covered by this course are Pressure Vessels, Storage Tanks, Piping, Reactors and Heat Exchangers, etc.	Administrators in charge of plant Engineering, technical standard and fabrication for energy related facilities (Pressure Vessels, Storage Tanks, etc.)
COURSE CONTENTS	LANGUAGE
(1) Outline of Japanese Law (2) Design and Fabrication standard for pressure vessels ,tanks, piping, etc. (3) Strength design (4) Material design (5) Fabrication control (6) Maintenance (7) Accident examples (8) Factory tour (9) Action Plan Presentation	English
	TRAINING INSTITUTIONS
	AICHI INDUSTRIAL RESEARCH ASSOCIATION
	JICA CENTER
	Chubu International Centre
	COOPERATION PERIOD
	2000 ~ 2004
	REMARKS

THERMAL-ELECTRIC POWER ENGINEERING FOR GAS TURBINE & COAL FIRED POWER GENERATION

ガスタービン・蒸気タービン(石炭)火力発電

Sep.8, 2003 ~ Nov.2, 2003 10participants J0300578

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
This training program is intended for electrical and mechanical engineers who are engaged in the power supply sector of the governmental and private enterprises. The participants are expected to acquire technical knowledge related to the planning, construction, operation and maintenance of thermal power plants as well as environmental preservation techniques with a view to contributing to the successful development of the electric power industries in the participating countries.	(1)Engineers in charge of management, control and maintenance at gas turbine and/or coal fired power generation who has over 3 years experience in the said field, (2)Graduates of university /college technical courses or those with equivalent scholastic ability, (3)Who are under 40 years of age
COURSE CONTENTS	LANGUAGE
The program consists mainly of two parts; (1)the fixed group training program for all the participants which is aimed to acquire overall knowledge in system of Japan's electric industries, technologies for maintenance and management technologies, and environmental preservation techniques. (2) the group training courses on operation, maintenance and production technology on either gas turbine power generation or for coal fired power generation.(The participants are to choose among the two generation system) *For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.	English
	TRAINING INSTITUTIONS
	JAPAN ELECTRIC POWER INFORMATION CENTER, INC
	JICA CENTER
	Chugoku International Centre
	COOPERATION PERIOD
	1997 ~ 2006
	REMARKS
	Upon submitting the application, the participants are to choose whether he or she would like to take the course for gas turbine or coal fired generation.

HYDRO-ELECTRIC POWER ENGINEERING(FOR SUSTAINABLE DEVELOPMENT)

環境調和型水力発電

Jun.10, 2003 ~ Jul.26, 2003 8participants J0300647

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The purpose of the course is to provide the participants with the latest information and knowledge concerning managing and technical aspects of the Japan's hydro-electric power industry so that the participants would be able to play their greater role for further progress, and to take the initiative in the sustainable development of hydropower station projects of hydro-electric power generation in their respective countries.	(1) civil engineers who are presently employed by governmental or private hydro-electric power utilities (2) technical college graduates or equivalents and have more than five and less than ten years of practical experience in the field of hydro-electric power engineering, etc.
COURSE CONTENTS	LANGUAGE
The course is formulated to cover both aspects of electrical/mechanical engineering and civil engineering alternatively. This year, civil engineering matters will be focused mainly. The followings are the major subjects of this year: (1) to study hydro-power stations from the viewpoint of civil engineering: methods of planning, designing, construction, operation, maintenance and environmental measures, and (2) to learn an outline of the Japanese electric power industry.(including energy policy and regulation) *For the public standpoint in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.	English
	TRAINING INSTITUTIONS
	JAPAN ELECTRIC POWER INFORMATION CENTER, INC
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	2000 ~ 2004
	REMARKS

NUCLEAR POWER GENERATION BASIC COURSE

原子力発電基礎

Jan.6, 2004 ~ Mar.3, 2004 6participants J0300730

OVERALL GOAL / PURPOSE

The purpose of the course is to provide the participants with general introductory information on the administrative and technical aspects of Japan's nuclear power industry, which includes experience gained through planning, design, construction, operation, and maintenance of nuclear power plants and the safety measures. Through this course, participants are expected to acquire basic safety measures for the future development of nuclear power plant.

QUALIFICATION OF APPLICANT

(1) nuclear, electrical and/or mechanical engineers presently employed at governmental institutions or private companies in the field of electric power generation and have more than three years of occupational experience in this field
(2) not more than 40 years of age, etc.

LANGUAGE

English

TRAINING INSTITUTIONS

THE JAPAN ATOMIC POWER COMPANY

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

2002 ~ 2006

REMARKS

COURSE CONTENTS

Major subjects in this course are as follows:

(1) lectures (a) outline of nuclear power generation in Japan including safety regulation and administration for commercial nuclear power plants (b) major system of boiling water reactor and pressurized water reactor (c) technologies regarding safety measures
(2) exercise (a) operation and plant activities related to plant start-up, shutdown and accidents, etc. by using a compact simulator.

*For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.

ELECTRIC POWER MANAGEMENT BY BENCHMARKING

指標管理型電気事業経営

Sep.8, 2003 ~ Oct.17, 2003 7participants J0300728

OVERALL GOAL / PURPOSE

The participants are expected to acquire management knowledge on:

1. Customer Service and Marketing
2. Planning of Electric Power Supply
3. Planning of Electric Power Resources Development
4. Power Systems Operation
5. Personnel Management and Employee Training

QUALIFICATION OF APPLICANT

(1) be senior manager-class engineers in electric power utilities with more than 10 year working experience, or be national governmental officials at the level of director,
(2) be university graduates or equivalent,
(3) be between 35 and 50 years of age

LANGUAGE

English

TRAINING INSTITUTIONS

JAPAN ELECTRIC POWER INFORMATION CENTER, INC

JICA CENTER

Chubu International Centre

COOPERATION PERIOD

2002 ~ 2006

REMARKS

COURSE CONTENTS

- Development Plant
- Power Generation
- Environment
- Power System
- Transmission & Distribution
- Sales & Labor
- Human Education

*For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.

SMALL SCALE HYDROPOWER ENGINEERING

小水力発電技術

Sep.8, 2003 ~ Oct.13, 2003 8participants J0303432

OVERALL GOAL / PURPOSE

This course aims to provide knowledge of planning, operation and management methods for small hydropower facilities

QUALIFICATION OF APPLICANT

(1) be civil, electrical or mechanical engineers; (2) be engaged in planning of small-scale hydropower plants etc.; (3) be technical college graduates and have more than 5 years experience in the field of hydroelectric power engineering; (4) be under the manager level and at the age of between 30 and 45 years old

LANGUAGE

English

TRAINING INSTITUTIONS

CHUBU ELECTRIC POWER CO., INC.

JICA CENTER

Chubu International Centre

COOPERATION PERIOD

1999 ~ 2003

REMARKS

COURSE CONTENTS

- Historical background of the electricity business and hydroelectric power generation in Japan
- Research, planning and design of small hydropower plants
- Operation and maintenance of small hydropower plants
- Introduction to planning for renewable energy
- Observation

ECONOMICAL PLANNING AND OPERATION FOR ELECTRIC POWER TRANSMISSION

電力輸送効率化

Aug.28, 2003 ~ Oct.9, 2003 6 participants J0300827

OVERALL GOAL / PURPOSE

The group training course in Electric Economical Planning and Operation for Electric Power Transmission provides the information and knowledge on efficient and reliable power transmission and supply through introduction of Japan's current technology. It will assist to improve the power system in developing countries.

QUALIFICATION OF APPLICANT

be electrical engineers who are currently engaged in the field of transmission, transformation and/or power systems at the governmental power utilities, and have between 5 and 20 years of practical experience, / a university degree or equivalent / 27 to 40 years of age

LANGUAGE

English

COURSE CONTENTS

Participants are expected to enhance their knowledge and technical skills relating to the followings:
 1. Power system planning and construction, maintenance and operation of transmission and transformation facilities
 2. Power system stabilization, system operation and protection to prevent accidents from spreading
 3. Outline of Japan's Electric Power Industry
 NB: Power distribution system is not included in this course.

TRAINING INSTITUTIONS

JAPAN ELECTRIC POWER INFORMATION CENTER, INC

JICA CENTER

Tohoku Branch Office

COOPERATION PERIOD

2003 ~ 2007

REMARKS

*For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.

THE IMPROVEMENT FOR ELECTRIC POWER DISTRIBUTION GRID

配電網整備

Aug.26, 2003 ~ Oct.3, 2003 7 participants J0300797

OVERALL GOAL / PURPOSE

The purpose of the course is to impart information on administrative and technical aspects of Japan's electric power distribution system so that participants will be able to utilize the knowledge obtained from the course for the future development of this field in their countries. Note: This course deals with distribution systems from secondary sides of distribution substations to service wires and does not cover transmission lines or interior wiring.

QUALIFICATION OF APPLICANT

(1) electrical power engineer presently employed at governmental or private electric power utilities in the field of electric power distribution
 (2) between 30 and 40 years of age
 (3) technical university graduate or equivalent, and have more than 5 years of practical experience

LANGUAGE

English

COURSE CONTENTS

This course consists of lectures and visits. The main themes are; (1) outline of electric power industry in Japan (2) management techniques (total quality control, education system, safety measures, etc.) (3) power demand and supply schemes (4) transmission of electrical energy (5) distribution of electrical energy (automatic distribution system, etc.) (6) visits (power stations, factories which produce power distribution apparatus, etc.)

TRAINING INSTITUTIONS

JAPAN ELECTRIC POWER INFORMATION CENTER, INC

JICA CENTER

Okinawa International Centre

COOPERATION PERIOD

2003 ~ 2007

REMARKS

*For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.

ENERGY EFFICIENCY AND CONSERVATION

省エネルギー

May.13, 2003 ~ Jul.3, 2003 13 participants J0300315

OVERALL GOAL / PURPOSE

The purpose of the course is to provide participants with information concerning Japanese policies as well as administrative and technical aspects of Japan's energy conservation, so that they will be able to use this knowledge in future energy conservation efforts in their own respective countries.

QUALIFICATION OF APPLICANT

(1) university/college graduates or equivalents presently employed in government, governmental institutions, or industrial associations
 (2) currently engaged in work in the energy field for more than 3 years
 (3) be under 45 years of age, etc.

LANGUAGE

English

COURSE CONTENTS

In this course, the following major subjects will be covered through lectures, discussions, group case studies, practice and observation trips. (1) Japanese energy conservation policy and the present status of its implementation (2) development of energy conservation and new technology in Japan (3) industrial energy conservation technology and management system (4) methods and situation of energy conservation promotion in major Japanese industries (5) energy consumption measurement and data analysis (7) case study in promotion of energy conservation in a model factory

TRAINING INSTITUTIONS

THE ENERGY CONSERVATION CENTER JAPAN

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

1986 ~ 2005

REMARKS

*For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.

ZERO EMISSION-TYPE AGRICULTURE & ENVIRONMENTAL SYSTEM FOR RURAL AREA ゼロ・エミッション型農業・農村環境システム	
Feb.22, 2004 ~ Apr.30, 2004 8 participants J0300758	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
Through this training course participants are able to learn advanced cases (biogas, sunlight and/or wind power clean energy) related with control and reutilization of excess wastes arise from agriculture and livestock industry approached in Hokkaido Tokashi where based on large scale upland and dairy farming. The objective is to develop human resources who are able to operate applicable zero emission-type agriculture & environmental system for rural area in both aspects of system and technology by learning above cases.	(1) be professional engineers or administrative officers in a position of leadership to deal with resolution of agricultural/environmental issues after the return (2) be engaged in the field in public institutions or farmers' organizations (3) be mid-level officers and engaged in agricultural and environmental issues for more than 5 years.
COURSE CONTENTS	LANGUAGE
This training course consists of lectures, discussions and observations on following subjects. (1) Environmental issues related with agriculture and rural community activities. (soil depletion, water pollution, green house gas emissions etc.) (2) Control and reutilization techniques of excess wastes related with agricultural activities. (biogas, sunlight and wind generated electricity etc.) (3) Control and utilization system of excess wastes related with agriculture activities. (4) Action plan preparation	English
	TRAINING INSTITUTIONS
	OBIIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE
	JICA CENTER
	Hokkaido International Centre, Obihiro
	COOPERATION PERIOD
	2003 ~ 2007
	REMARKS
	Applicants who don't attach their Job Report to the Nomination Forms will not be duly considered. URL: http://www.jica.go.jp/branch/hico/index.html

SUSTAINABLE MINERAL DEVELOPMENT 環境調和型鉱業開発	
Jul.29, 2003 ~ Nov.20, 2003 20 participants J0300602	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The group training course in Sustainable Mineral Development is designed for engineers and technicians in order to upgrade their knowledge and skills in exploration / mining / mineral processing and metallurgy respectively, thus to contribute to prevent of mining-related pollution problems and sustainable mineral development of developing countries.	be graduates of engineering faculty of university or equivalent, be engineers or technicians engaged in mining geology, mining, mineral processing or metallurgy at governmental institutions in the field of mining development with more than five (5) years of practical experience, / be under forty (40) years of age, / be in good health
COURSE CONTENTS	LANGUAGE
Through the training program, participants are expected : 1. to gain an understanding of the present situation of mining industry and mine pollution control activities in Japan, 2. to deepen their knowledge of the exploration / mining / mineral processing and metallurgy, and 3. to obtain the knowledge and technology for the prevention of mining-related pollution problems and sustainable mineral development. *For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.	English
	TRAINING INSTITUTIONS
	INTERNATIONAL INSTITUTE FOR MINING TECHNOLOGY
	JICA CENTER
	Tohoku Branch Office
	COOPERATION PERIOD
	1999 ~ 2003
	REMARKS

GOAL MINE TECHNOLOGY 石炭鉱山技術	
May.13, 2003 ~ Aug.12, 2003 12 participants J0300601	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The course is designed to introduce practical technology and knowledge in the field of coal mine technology (mainly for underground mines) to the participants, who are safe or production engineers at coal mines so that they can play important roles in contributing to the expansion and development of the coal mine industries.	(1) mining engineers in management post(safety, production) presently engaged in the field of coal mine (2) university graduate or equivalent with basic knowledge of coal mine with occupational experience of more than five years (3) more than 30 years and less than 40 years of age
COURSE CONTENTS	LANGUAGE
This course consists of (1) safety (2) production (3) on site training at coal mine (4) theoretical studies. *For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.	English
	TRAINING INSTITUTIONS
	National Institute of Advanced Industrial Science
	JICA CENTER
	Tsukuba International Centre
	COOPERATION PERIOD
	1999 ~ 2003
	REMARKS
	A compulsory intensive Japanese language course will be conducted prior to the technical training for a week (20 hours).

SAFETY AND ENVIRONMENT MANAGEMENT FOR OFFSHORE PETROLEUM GAS DEVELOPMENT

石油・ガス開発における海洋環境汚染防止

Oct.7, 2003 ~ Nov.2, 2003 6 participants J0303495

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
<p>The purpose of this course is to enhance the technical standpoints of the technical managers who are engaged in the administration so that they will be able to play a leading role in their respective countries. Through lectures, study tours and discussions, participants will deepen their understanding of various presumable hazards in the process of offshore petroleum development and their influences exerted on the marine environment, and learn the management method in the case of emergency, etc.</p>	<p>(1) be technical officials presently in charge of safety and environment management for petroleum development in central government, with more than 2 years of professional experience, (2) be under 35 years of age, (3) be university graduates or possess the equivalent technical qualification in this field.</p>
COURSE CONTENTS	LANGUAGE
<p>The following subjects will be covered in the course:</p>	ENGLISH
<p>(1) Security of Mines and Environmental Conservation Policy in Japan (2) Safety Management System for Ocean Drilling (3) Environmental Assessment in the Process of Ocean Development and Oil Spill Contingency Plans (4) Environmental Conservation Management at the Marine Platform (5) Environmental Conservation Management at the Oil Stockpiling Base (6) Country Report Presentation (7) Study Tours (8) Observations</p>	TRAINING INSTITUTIONS
	Agency for Nuclear and Industrial Safety, METI
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	2000 ~ 2004
	REMARKS

Economic Policy

〈經濟政策〉

SEMINAR ON SMALL & MEDIUM ENTERPRISES DEVELOPMENT POLICIES

中小企業政策セミナー

May.12, 2003 ~ Jun.22, 2003 10 participants J0300704

OVERALL GOAL / PURPOSE

To provide a practical understanding of how SME policy is implemented in Japan under current economic conditions, with particular reference to the manufacturing sector, as well as to enhance policy making capacities in the area of SME promotion, participants are expected to deepen their knowledge of the history and present state of Japan's SME policy, to investigate how Japan's experience can be adapted to their own country's circumstances, and to consider how their country's strategic capacity in the planning of SME policy can be improved.

QUALIFICATION OF APPLICANT

(1) university/college graduate, or equivalent (2) senior administrative officials engaged in the formulation of small business policy, with experience of at least 5 years (3) under 45 years of age (4) have a sufficient command of English, equal to TOEFL score of more than 550 points or an equivalent

LANGUAGE

English

COURSE CONTENTS

This course consists of common subjects for all participants. The main themes are: (1) background of the Japanese economy (2) history and the present situation of public policy and programs towards small business-finance, management, technology, subcontracting system, grouping system, internationalization.

TRAINING INSTITUTIONS

PACIFIC RESOURCE EXCHANGE CENTER

JICA CENTER

Osaka International Centre

COOPERATION PERIOD

2000 ~ 2004

REMARKS

ANTI-MONOPOLY ACT AND COMPETITION POLICY

独占禁止法と競争政策

Aug.25, 2003 ~ Sep.28, 2003 11 participants J0300624

OVERALL GOAL / PURPOSE

This course is intended for leading members of the authorities, Anti-Monopoly Act in participating countries. The participants will learn about Japan's Anti-Monopoly Act, its implementation and application and related legislation, with the aim of establishing or revising the competition act and its effective management in their countries.

QUALIFICATION OF APPLICANT

(1) University/college graduate or equivalent (2) administrators of the authorities of Anti-Monopoly Act or authorities drafting competition act, and (3) have more than 2 years' occupational experience in the field.

LANGUAGE

English

COURSE CONTENTS

In this course, the emphasis is put on lectures, discussion and observation. In mainly covers:
 (1) the legislation of Japan's Anti-Monopoly Act and its implementation
 (2) case studies of the application of the Anti-Monopoly Act
 (3) Comparative studies of the Anti-Monopoly Act in participating countries.

TRAINING INSTITUTIONS

FAIR TRADE COMMISSION

JICA CENTER

Osaka International Centre

COOPERATION PERIOD

1999 ~ 2003

REMARKS

Non

FINANCIAL INDUSTRY INFORMATION SYSTEMS

金融情報システム

Oct.14, 2003 ~ Nov.8, 2003 7 participants J0300612

OVERALL GOAL / PURPOSE

Through the course, participants are expected (1) to understand the importance of establishing solid infrastructure for financial information systems, (2) to understand the current status and issues of financial information systems in developing countries and developed countries including Japan, and (3) to find practical alternatives towards better financial information systems for their own countries through comparative studies.

QUALIFICATION OF APPLICANT

(1) be senior managers who play a key role in designing information systems in central banks or in major financial institutions and more than 10 years experience,
 (2) be under 45 years of age,
 (3) be university graduates,
 (4) have sufficient command of English.

LANGUAGE

English

COURSE CONTENTS

The following subjects will be covered through lectures and visits:
 (1) financial structure of Japan,
 (2) financial information systems in Japan,
 (3) financial settlement & service,
 (4) security measures,
 (5) outline of system audit,
 (6) new issues

TRAINING INSTITUTIONS

THE CENTER FOR FINANCIAL INDUSTRY INFO. SYSTEMS (FISC)

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

1999 ~ 2003

REMARKS

STOCK EXCHANGE SEMINAR FOR ASIAN COUNTRIES

証券取引所セミナー(アジア地域)

TARGET REGION: Asia region

May.6, 2003 ~ May.31, 2003 7participants J0303471

OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
To provide opportunity to acquire basic knowledge regarding Japanese securities market and stock exchanges, in order to help the participants contribute to the development of capital markets of their countries.	Applicants should: (1) be staff members of a stock exchange; if a stock exchange does not exist in the country, staff of the competent regulatory authorities of securities markets, (2) between 25 and 50 years of age, (3) have a sufficient command of English.
COURSE CONTENTS	LANGUAGE
This seminar aims to provide participants with basic information on the Japanese securities market and stock exchanges. The program of the seminar is as follows: (1) overview of the Japanese securities market (Japanese economy and roles of the securities market, company law, securities and exchange law and administration of the securities market, etc.), (2) overview of stock exchange (membership system, listing system, trading system, market surveillance and compliance system, clearing and settlement system, corporate governance, etc.)	English
	TRAINING INSTITUTIONS
	TOKYO STOCK EXCHANGE
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	2000 ~ 2004
	REMARKS

Private Sector Development

〈民間セクター開発〉

ENTERPRISE NETWORKING REGIONAL DEVELOPMENT	
企業ネットワークによる中小企業振興	
TARGET REGION: African countries	Oct.21, 2003 ~ Dec.9, 2003 10 participants J0303419
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
Now Under Planning	Now Under Planning
	LANGUAGE
	English
COURSE CONTENTS	TRAINING INSTITUTIONS
Now Under Planning	JAPAN INTERNATIONAL COOPERATION AGENCY
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	1999 ~ 2003
	REMARKS

SEMINAR ON PROJECT APPRAISAL FOR INDUSTRY AND SME'S DEVELOPMENT	
工業プロジェクト評価と中小企業育成セミナー	
Jun.3, 2003 ~ Jul.18, 2003 10 participants J0303528	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
Through the training program, participants are expected: 1. to foster capability of identifying the policies for SME promotion which are relevant to the countries of respective participants through the experience of Japanese economic development, and 2. to learn the method of financial, economic, and social economic analysis for industrial development planning including SME.	(1) over 4 years' experience in the fields covered by the seminar(2) university graduates or equivalent(3) more than 550 points of TOEFL scores or equivalent attach the score sheet to nomination form(4) be between 30 and 45 years of age(5) have no experience in studying in Japan more than 6 months;
	LANGUAGE
	English
COURSE CONTENTS	TRAINING INSTITUTIONS
This seminar is forwarded, through the program, with review of latest issues and lectures on linkage between the theory and practical application on (i) project appraisal, and (ii) economic development planning. For active participation by the participants, all the sessions are lecture-cum-discussion, which means each participant is expected to present his/her own knowledge and experience during the sessions.	INT'L DEVELOPMENT CENTER OF JAPAN
	JICA CENTER
	Hachioji International Centre
	COOPERATION PERIOD
	2001 ~ 2005
	REMARKS

CONSULTANCY SERVICE FOR SMALL & MEDIUM ENTERPRISES	
中小企業診断士	
May.5, 2003 ~ Aug.4, 2003 9 participants J0303456	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The purpose of this course is to provide personnel who extend their services to small & medium-scale industries for promoting business efficiency, productivity and profitability with necessary knowledge and techniques to develop and promote small & medium-scale industries in developing countries.	1. be such personnel assigned to business diagnostic services, management consultancy, and extension services at the organization dealing with development and promotion of small & medium scale industries. 2. be between thirty (30) and forty-five (45) years of age.
	LANGUAGE
	English
COURSE CONTENTS	TRAINING INSTITUTIONS
(1) Japan's Industrial Structure and Small & Medium-Scale Industries: • Japan's Business Management of Small & Medium-Scale Industries (2) Japan's Governmental Policy for Small & Medium-Scale Industries: • Japan's Policy on Small & Medium-Scale Industries • Prefectural Government Systems to Finance Small & Medium-Scale Industries (3) Basic Knowledge & Techniques of Business Management: • Principle of Management • Production Management • Personnel Management • Marketing Management • Information Management • Financial Management (4) Techniques of Business Diagnosis • Development and system of Business Management Consultation: • Procedure of Business Management Diagnosis • Practice of Business Management Diagnosis • General Research • Follow up Research and Discussion on Improvement Method • Presentation of Business Management Diagnosis	Japan Small and Medium Enterprise Management Consu
	JICA CENTER
	Chubu International Centre .
	COOPERATION PERIOD
	2000 ~ 2004
	REMARKS

INTELLECTUAL PROPERTY FOR APEC ECONOMIES	
APEC知的財産権	
TARGET REGION: APEC member countries	Aug.26, 2003 ~ Oct.5, 2003 20 participants J0300736
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
Since countries in APEC region have been getting advanced in development of Industrial Property System, demands for higher level technical supports for policy or legislation reform planning and reinforcement of examination system on Industrial Property have also been increased. Taking these circumstances into account, this course is designed to provide the participants who are engaged in policy planning in this field in APEC region countries with knowledge and skills for effective operation of Intellectual Property.	be government officials with more than 3 years of experience in administration or examination in the field of IPR system; administrative officials whose duties include intellectual property administration; or examiner in an IPR office, who are responsible for the examination of patents, utility models.
COURSE CONTENTS	LANGUAGE
This course consists of common course and individual training which is divided into four groups (administration, patent, trademark and design) according to the field of participants. Major subjects in this course are as follows: (1) General subjects for all participants: Outline of Japan Patent Office, Recent developments in international protection of industrial property rights, Paperless system in JPO, Outline of copyright law, Legal protection of computer software (2) Administration: Outline of intellectual property law, PCT and regulations (3) Patent: Outline of application procedures and substantive examination (4) Design: Outline of design law and the design protection system (5) Trademark: Outline of trademark law, on-the-job training	English
	TRAINING INSTITUTIONS
	JAPAN INSTITUTE OF INVENTION & INNOVATION
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	2002 ~ 2006
	REMARKS

SEMINAR ON STANDARDIZATION AND QUALITY SYSTEM FOR ASEAN COUNTRIES	
ASEAN標準化・品質システム	
TARGET REGION: ASEAN countries(except Singapore and Brunei)	Feb.9, 2004 ~ Mar.14, 2004 8 participants J0303417
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
This course is designed to upgrade the skills of participants from ASEAN countries who are expected to transfer such methods as quality system based on ISO (International Organization for Standardization) 9000 Series, and TQM (Total Quality Management) which encourages quality improvement activities in their respective countries. Through such methods, the course aims to activate market economy as well as to promote international trade.	(1) having occupational experience of at least 3 years in this field, and be engaged in the job of the same subject presently (2) between the age of 30 and 45 (3) university graduates
COURSE CONTENTS	LANGUAGE
In this course, the emphasis is placed mainly on introduction of Japanese experience through practical lectures including case studies, various discussions, and factory visits. The main themes are: (1) philosophy of TQM (2) motivation (3) TQM methodology-adoption of SQC (Statistical Quality Control), QC (Quality Control) story, etc. (4) evaluation of TQM implementation (5) model course programing. And this year, part of the programmes/lectures will be divided into 2 groups upon their ability and/or experiences of the participants.	English
	TRAINING INSTITUTIONS
	JAPANESE STANDARDS ASSOCIATION
	JICA CENTER
	Osaka International Centre
	COOPERATION PERIOD
	1994 ~ 2004
	REMARKS

ASIA PACIFIC LEGAL METROLOGY SYSTEM	
アジア太平洋法定計量システム	
TARGET REGION: ASEAN countries	Jun.2, 2003 ~ Sep.7, 2003 8 participants J0300767
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
This course is organized for government officers working as senior verification officers responsible for verification and inspection of measuring equipment in the field of legal metrology. It will serve as a good opportunity to upgrade the level of legal metrology technology and to understand the state-of-the-art legal metrology system and the operational method available in Japan.	(1) Currently engaged in the practical work of verification/inspection or its supervision in the field of legal metrology at governmental or semi-governmental institute with at least three years' occupational experience, (2) University graduate, (3) Between 30 and 45 years of age.
COURSE CONTENTS	LANGUAGE
This course consists of common subjects for all participants as follows. (1) Japanese Measurement Law in general, (2) International Metrological Organizations, Systems and Regulations, (3) Technical training programs:i) Measurement Standards, ii) Pattern Approval, iii) Verification and Periodical Inspection of Specified Measuring Instruments for use of Trade or Certification Business stipulated by laws, iv) Inspection of Verification Standards, (4) Inspection of Verification Standards not stipulated by Legal Metrology, (5) Technical Tours, (6) other programs.	English
	TRAINING INSTITUTIONS
	National Institute of Advanced Industrial Science
	JICA CENTER
	Tsukuba International Centre
	COOPERATION PERIOD
	2003 ~ 2007
	REMARKS

BUSINESS MANAGEMENT COOPERATION IN THE ASIA-PACIFIC

アジア太平洋民間協力

TARGET REGION: APEC member countries

Jun.10, 2003 ~ Jul.23, 2003 15 participants J0300722

OVERALL GOAL / PURPOSE

The main purpose for this course is to highlight the role of the Asia-Pacific, Japan, and Japanese companies in the process of globalization. There are many definitions of globalization, but for practical business purposes, we focus on the flow of goods, people, money, and information across national borders. Through this approach to globalization, it is expected the trainees will develop a broader understanding of their role as business managers or bureaucratic policymakers.

QUALIFICATION OF APPLICANT

Applicants should
1. be those aged not more than forty (40) years old,
2. be actively engaged in highly managerial roles of the privately owned corporations, who envisage themselves in a greater exposure to the Japanese enterprises.

LANGUAGE

English

COURSE CONTENTS

The basic curriculum for this training program examines how the process of globalization (i.e., flow of goods, people, money, and information across national borders), unfolds at the international, regional, and company levels. At each of these levels, we have selected themes for further exploration.

1. International Political Economy
2. Global Governance
3. Asia-Pacific in the Age of Globalization
4. Regional Cooperation
5. Economic Development and Restructuring
6. Global Strategy of Japanese companies
7. New Business Management

TRAINING INSTITUTIONS

JAPAN INSTITUTE OF INTERNATIONAL AFFAIRS

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

2002 ~ 2006

REMARKS

Rooms allocated are only for the semi and full member nations of APEC.

RESEARCH ON STANDARDS, MATERIAL REFERENCE AND EVALUATION FOR INDUSTRY

産業標準・評価技術

Jan.20, 2004 ~ Dec.18, 2004 4 participants J0300719

OVERALL GOAL / PURPOSE

It is designed for researchers in the field of standards, material reference, evaluation and measurements for industry with the aims 1) to upgrade knowledge and techniques of research methods for the technical tasks so as to perform a leading role in the said field, and 2) to share awareness and technology for further cooperation with Japanese researchers. They will study above technologies through the course, which is research-oriented and based on the laboratory work under the advice of the host-researchers.

QUALIFICATION OF APPLICANT

(1) be researchers in the field of standards, material reference, evaluation and measurements for industry;
(2) have master's degree; (3) have research experience of from three up to twenty years; (4) meet the specific requirement for each individual research subject; (5) be between 25 and 40 years of age

LANGUAGE

English

COURSE CONTENTS

- 1) Briefing & General Orientation in JICA (1 week)
- 2) Japanese Language Lessons in JICA (2 weeks)
- 3) Introductory Lectures in AIST (2 weeks)
 - A. Introductory Lectures
 - B. Observation tour of the Research Institutes in Tsukuba city
- 4) Individual Research (approximately 10 months)
It is basically conducted on one subject selected by each participant.
- 5) Oral Presentation (2 times)
 - A. Presentation of Individual Research Proposal
 - B. Presentation of Technical Report
- 6) Technical Tours (1 week x 2 times)

TRAINING INSTITUTIONS

National Institute of Advanced Industrial Science

JICA CENTER

Tsukuba International Centre

COOPERATION PERIOD

2002 ~ 2006

REMARKS

Japanese language lessons 2 weeks

MANAGEMENT OF CHAMBERS OF COMMERCE AND INDUSTRY

商工会議所マネジメント(アジア・西太平洋)

TARGET REGION: Asia and West Pacific

Nov.11, 2003 ~ Dec.13, 2003 10 participants J0303409

OVERALL GOAL / PURPOSE

The purpose of this course is to provide managers of Chambers of Commerce and Industry(CCI), information on how to manage CCI and how to promote small- and medium-sized businesses. By the end of the training programme, participants are expected to (1) obtain information on the Chambers of Commerce and Industry in Japan, (2) understand the promotion policy of SMEs by CCI in Japan, and economic environment of small- and medium-sized enterprises in Japan

QUALIFICATION OF APPLICANT

(1) be officers belonging to the Chambers of Commerce and Industry who are in charge of domestic industrial promotion, (2) be university graduates or possess equivalent knowledge, (3) be under 40 years of age, etc., (4) more than five years of occupational experience in this field

LANGUAGE

English

COURSE CONTENTS

The following subjects will be covered through lectures and field trips: (1) management and activities of Chambers of Commerce and Industry (CCI) in Japan, (2) discussions of CCIs in participants' countries, (3) present condition of small- and medium- enterprises and shopping streets in Japan and government promotion policies

*For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.

TRAINING INSTITUTIONS

THE JAPAN CHAMBER OF COMMERCE AND INDUSTRY

JICA CENTER

Tokyo International Centre

COOPERATION PERIOD

1999 ~ 2003

REMARKS

PRACTICAL PRODUCTION MANAGEMENT(THEORY & PRACTICE ON PRODUCTIVITY IMPROVEMENT)	
生産性向上実践技術	
Oct.13, 2003 ~ Feb.18, 2004 8participants J0300340	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The purpose of this training is to provide participants with opportunities to (1) understand technology and techniques accumulated in Kitakyushu area through its experience, (2) acquire knowledge on higher productivity through practical training and plant observations, (3) introduce and utilize the acquired knowledge and techniques to solve their own problems in production.	(1) has at least 5 years of occupational experience in the fields of production management of manufacturing or assembling industries (2) be university graduate from the faculty of engineering, or the equivalent (3) be younger than the age of 40
COURSE CONTENTS	LANGUAGE
(1) Productivity and management engineering, Organization of Japanese companies, Quality control (2) 5S, IE, Work improvement, Single arrangement, POKA-YOKE, Just In Time (3) QC-7 tools, Statistical methods, Taguchi methods, Production planning and production management, TPM (4) Value engineering, CAD (5) Small group activity, New QC-7 tools, QCAS (6) Two-day improvement activity, Productivity improvement activity * This course includes many practices and discussions such as making and presentation of the improvement plan for the real manufacturing plants.	English
	TRAINING INSTITUTIONS
	KITAKYUSHU INT'L TECHNO-COOPERATIVE ASSOCIATION
	JICA CENTER
	Kyusyu International Centre
	COOPERATION PERIOD
	1987 ~ 2006
	REMARKS

IMPLEMENTATION OF CONFORMITY ASSESSMENT FOR INDUSTRY	
適合性評価実践(工業分野)	
Nov.4, 2003 ~ Dec.20, 2003 10participants J0300623	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The purpose of this course is to introduce to participants working in certification bodies, testing laboratories or inspection agencies, the certification system in Japan which has contributed greatly to quality assurance in the industrial field in Japan, as well as encouraging participants' interest in quality.	1) currently engaged in the work relating to certification, inspection, and testing, 2) be between 25 and 45 years of age, 3) be college or university graduates, or have an equivalent educational background, 4) continue working in the field of certification, inspection, and testing.
COURSE CONTENTS	LANGUAGE
The main themes of this course are; (1) philosophy of the certification system (2) Japanese certification systems, particularly the JIS (Japanese Industrial Standards) Marking System (3) voluntary and compulsory certification systems (4) international movements related to certification systems (5) assessment procedures for assuring conformity with concerned standards (6) practical inspection procedures (7) promotion of quality products in each participating country. *This course is not for the agriculture, food, forestry, medicine and service industry, but for the machine, electronics, textile industry and chemicals. *For the public standpoint, in cases the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.	English
	TRAINING INSTITUTIONS
	JAPANESE STANDARDS ASSOCIATION
	JICA CENTER
	Tokyo International Centre
	COOPERATION PERIOD
	1999 ~ 2003
	REMARKS

ADVOCATING A LAW-ORIENTED INFRASTRUCTURE TO PROMOTE FOREIGN DIRECT INVESTMENT II	
投資環境法整備II	
Feb.9, 2004 ~ Mar.21, 2004 15participants J0300803	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
This course, offered to senior administrators directly in charge of encouraging direct investment from abroad or officials responsible for legislative formulation, aims to contribute to the institution and development of legislation designed to promote direct investment in participating countries.	(1) university graduate or equivalent (2) senior government officials in charge of policy on legal aspects at their countries' Board of Investment, or responsible for legislative formulation on foreign direct investment, with professional experience of at least seven years (3) between 30 and 50 years of age
COURSE CONTENTS	LANGUAGE
This course consists of lectures and visits. The main themes are: (1) Legal aspects of Japanese corporate operation (Establishment and Dissolution, Capital Procurement, Tax and Accounting) (2) Japanese policy for attraction of overseas investment (3) case study on feasibility of direct investment (4) round table discussions.	English
	TRAINING INSTITUTIONS
	KYOTO COMPARATIVE LAW CENTER
	JICA CENTER
	Osaka International Centre
	COOPERATION PERIOD
	2003 ~ 2007
	REMARKS

BIOINDUSTRY II バイオインダストリーII		May.12, 2003 ~ Jul.6, 2003	10 participants	J0300792
OVERALL GOAL / PURPOSE	Through the training programme, participants are expected to have knowledge on the following: 1) basic technology of bioindustry, 2) applied technology of bioindustry, 3) strategy of bioindustry, 4) safety on biotechnology, 5) effective application of biological resources, 6) equipments and apparatuses for bioindustry, 7) key points for planning and introducing of biotechnology, 8) conservation and sustainable use of bio-resources	QUALIFICATION OF APPLICANT administrative officials who are currently engaged in overall planning, implementation of biotechnology policy, or expert presently engaged in biotechnology or related technology at national research institutes with more than five years of experience		
COURSE CONTENTS	The course mainly covers; 1) Outline of Biotechnology, 2) Fundamental Biotechnology; Plant Cell Engineering, Recombinant DNA, Bioreactor, Cell Fusion, Biotechnology-Supporting Technology, Human and Animal Cell Engineering, Physiologically Active Substances of Plants 3) Application of New-Technology; Biopharmaceuticals, Diagnostics, Industrial Enzymes, Molecular Biology Research, Food Industries, Chemical Industries, Bioremediation 4) Future Perspective of Biotechnology; Biosensing, Marine Biotechnology, Protein Engineering, Primates 5) Administrative Policy, Safety and Intellectual Proprietary Rights of Products; New Policy for Biochemical Industry, Safety of Products, Patents	LANGUAGE English		
		TRAINING INSTITUTIONS JAPAN BIOINDUSTRY ASSOCIATION		
		JICA CENTER Chubu International Centre		
		COOPERATION PERIOD 2003 ~ 2007		
		REMARKS		

IMPROVEMENT AND MANUFACTURE OF ESSENTIAL MACHINE PARTS FOR PLANT プラント用必須予備品の改善と製作		Apr.21, 2003 ~ Sep.21, 2003	7 participants	J0303505
OVERALL GOAL / PURPOSE	In order to improve the productivity in developing countries, this training course is designed for mechanical engineers to provide skills and knowledge required for designing, ordering, manufacturing, testing and managing mechanical spare parts.	QUALIFICATION OF APPLICANT (1) be a mechanical engineer with substantial leadership and more than 5 years experiences, who is in charge of production control and manufacture of machine parts (2) have a university degree in mechanical engineering (3) be between 28 and 40 years		
COURSE CONTENTS	1) Maintenance Management 2) Manufacturing Technology 3) Production Control 4) Failure Analysis 5) Inspection Technology 6) Method of Quality Control 7) Observation Trip	LANGUAGE English		
		TRAINING INSTITUTIONS KITAKYUSHU INT'L TECHNO-COOPERATIVE ASSOCIATION		
		JICA CENTER Kyusyu International Centre		
		COOPERATION PERIOD 2001 ~ 2005		
		REMARKS		

ADVANCED MICROBIAL ENZYME TECHNOLOGY 応用微生物酵素工学		Apr.14, 2003 ~ Aug.7, 2003	5 participants	J0303399
OVERALL GOAL / PURPOSE	The purpose of the course is to introduce to participants knowledge and techniques required for microbial enzyme technology such as cultivation of microorganisms, production and purification of enzymes and properties and action of enzymes, through lectures, experiments and observations. (Note that the course is focused on introducing basic knowledge and techniques of microbial enzyme technology.)	QUALIFICATION OF APPLICANT 1) have master's degree, or bachelor's degree of major in biochemistry, fermentation technology or applied microbiology (2) between 25 and 35 years of age (3) more than 3 years experience in fermentation technology or enzyme technology		
COURSE CONTENTS	This course consists of common subjects for all participants and individual research work in laboratory. Each participant is to take one subject as specialized training out of below; 1) Studies of useful microbial transformations 2) Study of the starch metabolism of microalgae 3) Studies on the biodegradation of aromatic compounds 4) Production of functional lipid using lipase 5) Purification of useful material using lipase	LANGUAGE English		
		TRAINING INSTITUTIONS OSAKA MUNICIPAL TECHNICAL RESEARCH INST.		
		JICA CENTER Osaka International Centre		
		COOPERATION PERIOD 1977 ~ 2003		
		REMARKS		

ENVIRONMENTAL MANAGEMENT TECHNOLOGY IN CHEMICAL INDUSTRIES

化学産業における環境管理技術

Jun.9, 2003 ~ Aug.4, 2003 10 participants J0303442

OVERALL GOAL / PURPOSE

(1) To acquire a comprehensive knowledge of the environmental pollution control and pollution prevention countermeasures in chemical industry considering safety,
 (2) To strengthen the professional capabilities in the field of environmental conservation,
 (3) To acquire a comprehensive knowledge of the latest technology currently being used for environmental management in Japan, i.e. CP, VOC, Recycling, LCA, PRTR, RC.
 "Environmental Expenditure Accounting" in the petrochemical and other chemical industries

QUALIFICATION OF APPLICANT

(1) National and local governmental inspectors or planners for the industry, business executives or technical engineers with more than 5-years practical experience in the field of environmental conservation in chemical industry; oil refinery, association of petrochemical industries
 (2) under 45 years of age

LANGUAGE

English

TRAINING INSTITUTIONS

INT'L CENTER FOR ENVIRONMENTAL TECH. TRANSFER

JICA CENTER

Chubu International Centre

COOPERATION PERIOD

2000 ~ 2004

REMARKS

Japanese language lesson 30hours

COURSE CONTENTS

Session1 : Outline of Countermeasures on Environmental Pollution and Chemical Industry in Japan and Country/Job Report Presentation.
 (1) Program Orientation (2) Presentation of Country and Job Report by the Participants.(3) Introduction of Environment Conservation Measures in Japan.
 (4) Introduction of Chemical Industry in Japan, etc.
 Session2 : Environmental Protection Measures and Technologies in Chemical Industry
 (1) Laws and Regulations related to Environmental Management
 (2) Environmental Management of Chemical Industry, etc.
 Session3 : The Latest Technology and System for Environment Management in Japan(1) Concept of Energy Saving from Environmental and Economic Aspect
 (2) Cleaner Production(CP), Volatile Organic Compound(VOC), Recycling, Life Cycle Assessment(LCA) Session4 : Summery

FUNCTIONAL ORGANIC MATERIALS TECHNOLOGY

機能性有機材料工学

Aug.4, 2003 ~ Nov.30, 2003 6 participants J0303406

OVERALL GOAL / PURPOSE

The participants of this course, who are researchers and engineers engaged in research on the synthesis of functional organic materials and the development of their applications and uses, will be introduced to techniques of synthesis, analysis through lectures, practices and observations. It is hoped that they will contribute to the development of knowledge and technologies in the relevant field in their countries.

QUALIFICATION OF APPLICANT

(1) have bachelor's degree in organic chemistry, or organic industrial chemistry or the equivalent
 (2) between 25 and 40 years of age
 (3) more than 3 years of experience of manufacture, application or research in organic chemical technology

LANGUAGE

English

TRAINING INSTITUTIONS

OSAKA MUNICIPAL TECHNICAL RESEARCH INST.

JICA CENTER

Osaka International Centre

COOPERATION PERIOD

1999 ~ 2003

REMARKS

COURSE CONTENTS

(1) instrumental analysis (lecture, practice)
 (2) textile processing and dyeing techniques (lecture)
 (3) detergent-cleaning techniques (lecture, practice)
 (4) environmental pollution control techniques (lecture, practice)
 (5) factory observation

MAINTENANCE OF CONSTRUCTION MACHINERY III

建設機械整備III

May.6, 2003 ~ Aug.3, 2003 8 participants J0300790

OVERALL GOAL / PURPOSE

The purpose of the course is to provide participants with techniques and knowledge on planning and management of maintenance shops as well as maintenance of construction machinery.

QUALIFICATION OF APPLICANT

(1) university graduates in mechanical engineering or equivalents with more than three years of occupational experience
 (2) under 40 years of age
 (3) presently engaged in or expected to be engaged in planning and administration work of construction machinery in the near future

LANGUAGE

English

TRAINING INSTITUTIONS

JAPAN CONSTRUCTION MECHANIZATION ASSOCIATION

JICA CENTER

Yokohama International Centre

COOPERATION PERIOD

2003 ~ 2007

REMARKS

COURSE CONTENTS

Most part of the course is practical training in factories and workshops, using actual construction machinery.
 It covers;
 (1) theoretical aspects of management and maintenance
 (2) practical maintenance techniques of major components (engine, clutch, torque converter, transmission, power shift transmission, final drive, differential gear, brake, steering, hydraulic system, undercarriage, etc.)
 (3) practical maintenance/operation techniques of major machines. (bulldozer, grader, wheel-loader, hydraulic excavator, crane, compaction machinery, dump truck, etc.)