

Outline of The Group Training Courses in Japan

(昭和62年度 集団コース コース概要)

1987 Japanese Fiscal (April, 1987 to March, 1988)

**Japan International Cooperation Agency (JICA)
Tokyo, Japan**

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**Japan International Cooperation Agency (JICA)
Tokyo, Japan**

國際協力事業団		
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INTRODUCTION

This brochure is prepared to introduce the summary of content of the working plans of group training courses for participants from developing countries, as part of Japan's technical cooperation programmes for the fiscal year of 1987

Copies of "INFORMATION" on the details of those group training courses are scheduled to be provided later, however, prior to the forwarding of copies of the said "INFORMATION", it is earnestly hoped that this brochure will be useful for your understanding the outlines of those group training courses.

Director,
Training Affairs Department,
Japan International Cooperation Agency (JICA)

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DEVELOPMENT PLAN

No. 1

ECONOMIC DEVELOPMENT (SEMINAR) (経済開発セミナー)

1. PERIOD

February 8, 1988 to March 26, 1988 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATIONS

- 1) Government planners in economic development policy
- 2) Under 35 years of age
- 3) Be those who have an academic background in economics or those having a proper experience and knowledge regarding economic policy and planning
- 4) Occupational experience of more than 1 year
- 5) Have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Country Report presentation and discussion
- 2) Lectures and practical training
 - Factors of Japan's economic development
 - Japan's economic development and Economic policy (Agriculture, Industry, Infrastructure, Finance etc.)
 - Japan's international economic cooperation for development
- 3) Observation tours
- 4) Final Report presentation and discussion

5. FACILITIES AND INSTITUTIONS

Economic Planning Agency

6. REMARKS

No. 2

DEVELOPMENT ECONOMICS (GENERAL) (開発エコノミスト(一般))

1. PERIOD

October 5, 1987 to March 27, 1988 (6 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) University graduates or equivalent in economics
- 2) Qualified in their respective fields
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Economic theory
 - Development economics
 - Introduction to formulation and evaluation of development projects
 - Macro development planning
 - Methods of project formulation and evaluation
 - Case studies in project formulation and evaluation
 - Economic development of Japan
 - Development strategy approaches to international, regional development)
 - Seminar on development economics
 - Special lectures
- 2) Observation tours
- 3) Report writing

5. FACILITIES AND INSTITUTIONS

The International Development Centre of Japan (IDCJ)

6. REMARKS

No. 3

DEVELOPMENT ECONOMICS (INDUSTRIAL PROJECT)

(開発エコノミスト(工業))

1. PERIOD

From June 4, 1987 to August 21, 1987 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Minimum 3 ~ 4 year's work experience in the field
- 2) Between 30 and 40 years of age
- 3) University degree and academic background in economics, finance or engineering
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture & Discussion
 - Japanese Economic Development
 - Planning and Analysis of Industrial Development Projects
- 2) Field workshop and Field study
- 3) Report Writing and Presentation

5. FACILITIES AND INSTITUTION

- 1) Hachioji International Training Centre, JICA
- 2) The International Development Center of Japan (IDCJ)

6. REMARKS

ADMINISTRATION

No. 4

CONTROL OF NARCOTIC OFFENCES (SEMINAR) (麻薬犯罪取締セミナー)

1. PERIOD

August 25, 1987 to September 11, 1987 (18 days)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

- 1) Officers in the rank of the Director of Division in charge of Drug Law Enforcement at the central government or Operational Heads of National Drug Law Enforcement Agency
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Drug control in Japan
- 2) General discussions
 - Countermeasures to eradicate drug offences
 - International cooperation against drug crimes
- 3) Presentation of country report by participants
- 4) Observation tours

5. FACILITIES AND INSTITUTIONS

National Police Agency

6. REMARKS

THE TREATMENT OF OFFENDERS (犯罪防止 (矯正保護))

1. PERIOD

April 13, 1987 to June 22, 1987 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Persons who hold relatively senior positions in a central bureau, department or field agency concerned with correctional treatment, preferably community-based corrections, who have at least eight-year practical experience in their field or five-year practical experience, plus a university degree or its equivalent
- 2) Have a sufficient command of spoken and written English
- 3) Under fifty (50) years of age
- 4) In good health, both physically and mentally. Pregnancy is regarded as a disqualifying condition for participation in the course

4. DESCRIPTION OF TRAINING

- 1) Comparative Study on the Treatment of Offenders
- 2) Group Workshops on Topics Selected by the Participants
- 3) Lectures by Specialists
- 4) Visits to Several Relevant Institutions and Agencies

5. FACILITIES AND INSTITUTIONS

- 1) Tokyo International Center (TIC) of JICA
- 2) United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

6. REMARKS

CRIME PREVENTION AND TREATMENT OF OFFENDERS
(SENIOR SEMINOR) (犯罪防止 (上級))

1. PERIOD

February 1, 1988 to March 14, 1988 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATIONS

Applicants are to:

- 1) Be high-ranking criminal justice administrators at the policy-making level whose duties are closely related to the main theme of the seminar, and should be ranked at director level or above in the division of the Ministry of Justice, Ministry of Interior or the Supreme Court;
- 2) Have a good command of English both spoken and written;
- 3) Be aged between thirty-five and fifty-five years and likely to continue to work in this field for a minimum period of two years; and
- 4) Be in good health, both physically and mentally (pregnancy is regarded as a disqualifying condition for participation in the Seminar)

4. DESCRIPTION OF TRAINING

- 1) Self-Introduction and Orientation for the seminar
- 2) Visiting Experts' Lectures
- 3) Faculty's Lectures
- 4) Ad Hoc Lectures
- 5) Individual Presentation on the main theme of the seminar
- 6) General Discussion and Report Back Sessions
- 7) Observation Visits
- 8) Kansai Trip (Visit to some institutions)
- 9) Reference Reading and Others
- 10) Evaluation Session
- 11) Individual Interview

5. FACILITIES AND INSTITUTIONS

- 1) Tokyo International Centre (TIC) of JICA
- 2) United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offender (UNAFED)

6. REMARKS

CRIMINAL JUSTICE ADMINISTRATION (犯罪防止(刑事司法))

1. PERIOD

September 28, 1987 to December 7, 1987 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

Applications are to:

- 1) Be persons who hold relatively senior positions in the police, public prosecutors offices, the judiciary, correctional services, probation offices and other sectors closely related to juvenile to justice administration, and who have at least eight-year practical experience in their field or five-year practical experience plus a university degree or its equivalent,
- 2) Have a sufficient command of spoken and written English,
- 3) Be under fifty (50) years of age, and
- 4) Be in good health, both physically and mentally, to undergo the Course. Pregnancy is regarded as a disqualifying condition for participation in the Course.

4. DESCRIPTION OF TRAINING

- 1) Comparative Study on the Main Theme
- 2) Group Workshops on the Topics Selected by the Participants
- 3) Lectures by Specialists
- 4) Visits to Several Relevant Institutions and Agencies

5. FACILITIES AND INSTITUTIONS

- 1) Tokyo International Centre (TIC) of JICA
- 2) United Nations Asia and Far East Institute for the Prevention of Crime and the Treatment of Offenders (UNAFEI)

6. REMARKS

LOCAL GOVERNMENT (地方行政)

1. PERIOD

May 1, 1987 to July 18, 1987 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalents
- 2) Civil service personnel holding responsible managerial or supervisory positions in the local or the central government
- 3) Occupational experience of more than 7 years
- 4) Between 30 and 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Local public administration
 - National public administration
 - Regional development
- 2) Seminars
 - Local government system in the participating countries
 - Local public personal system in the participating countries
 - Role of local government in regional development
- 3) Observation tours
- 4) On-the-spot study in local governments

5. FACILITIES AND INSTITUTIONS

Local Autonomy College, Ministry of Home Affairs

8. REMARKS

NATIONAL GOVERNMENT ADMINISTRATION (国家行政)

1. PERIOD

May 12, 1987 to June 26, 1987 (6 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent;
- 2) Qualified in their fields;
- 3) Occupational experience of more than 5 years (at least two years of which must be in central or national civil service) in public service or semi-government service;
- 4) Not less than 25 not more than 35 years of age and
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Comparative study on the central government of the participating countries
 - Modernization Problems
 - Public administration and civil service
 - Policies for the economic and social development
- 2) On-the-spot study
 - Attachment to relevant ministry offices
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Public Administration, National Personnel Authority

6. REMARKS

No. 10

NATIONAL GOVERNMENT ADMINISTRATION SEMINAR
(SENIOR CLASS OFFICIALS) (上級國家行政セミナー)

1. PERIOD

October 1, 1987 to October 30, 1987 (4 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent;
- 2) Qualified in their respective fields;
- 3) Occupational experience of more than 5 years (at least two years of experience in recent years in central or national civil service) in public service or semi-government service;
- 4) not less than 30 and not more than 45 years of age and
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Comparative study on the central government
 - Modernization Problems
 - Public administration and civil service
 - Policies for the economic and social development
- 2) On-the-spot study
 - Attachment to relevant ministry offices
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

Institute of Public Administration, National Personnel Authority

6. REMARKS

No. 11

FIRE SERVICE ADMINISTRATION (消防行政)

1. PERIOD

May 21, 1987 to August 4, 1987 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) Bachelors in law, politics or administration
- 2) Under 40 years
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Fire service administration, organization and fire personnel
 - Fire prevention
 - Defense system and activity
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Fire Defense College and Fire Defense Laboratory
- 2) Tokyo Fire Department
- 3) Fire Defense Agency, Ministry of Home Affairs

6. REMARKS

No. 12

CRIMINAL INVESTIGATION (SEMINAR) (国際捜査セミナー)

1. PERIOD

November 23, 1987 to December 12, 1987 (0.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Senior police officers who are in charge of investigations of ordinary law crime and who belong to the central police organization
- 2) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Organization and operation of criminal police
 - Techniques of criminal investigation and identification
 - Observation of criminal police facilities and equipment
- 2) Observation tours
 - Study trip to Kansai District (West part of Japan)

5. FACILITIES AND INSTITUTIONS

National Police Agency

6. REMARKS

GOVERNMENT AUDITING (SEMINAR) (政府会計検査セミナー)

1. PERIOD

From July 9, 1987 to August 19, 1987 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) Senior officials of the Supreme Audit Institution with more than 10 years of audit experience
- 2) A heads of a division responsible for audit of public work
- 3) Not more than 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture and Discussion
 - Financial and Accounting System of the Government
 - Government Auditing System and the Board of Audit
 - Accounting & Internal Control of Public Works
 - Audit of Public Works Project
- 2) Case studies
- 3) Observation Tour

5. FACILITIES AND INSTITUTION

- 1) Hachioji International Training Centre, JICA
- 2) Board of Audit

6. REMARKS

No. 14

TAXATION (GENERAL TAX PROGRAMME) (SEMINAR) (一般租税セミナー)

1. PERIOD

From August 27, 1987 to December 11, 1987 (4-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) be engaged in tax administration with more than 5 years of occupational experience
- 2) University graduates or the equivalent academic background
- 3) Not more than 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture and Discussion
 - Japanese Economy, Public Finance, Tax Policy and Tax Law
 - *Tax administration in Japan*
- 2) Observation
 - *Actual operation of tax administration*
- 3) Country Report Presentation
- 4) Thesis Making

5. FACILITIES AND INSTITUTION

- 1) Hachioji International Training Centre, JICA
- 2) National Tax Administration

6. REMARKS

No. 15

TAXATION (SENIOR TAX PROGRAMME) (SEMINAR) (上級租税セミナー)

1. PERIOD

October 12, 1987 to October 31, 1987 (3 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Presently engaged in tax planning or administration
- 2) Ranked senior class officials
- 3) Sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures
- Introduction of Japanese tax system and tax administration
- 2) Discussions
- Comparative study on tax system and administration through presentation of country-reports and round-table discussions
- 3) Field trips to tax offices and industry plants

5. FACILITIES AND INSTITUTIONS

National Tax Administration,

6. REMARKS

CUSTOMS TECHNIQUE (税関行政)

1. PERIOD

September 3, 1987 to November 1, 1987 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and Discussions
 - Organizations and functions of customs administration in Japan
 - Customs and tariff policy
 - Export and import clearance
 - Customs valuation
 - Other related lectures
 - Comparative study on related items
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Customs and Tariff Bureau, Ministry of Finance
- 2) Tokyo, Yokohama, Kobe, Osaka and Nagoya Custom House

6. REMARKS

No. 17

LOAN PROCEDURES (SEMINAR) (借款手続セミナー)

1. PERIOD

October 12, 1987 to November 8, 1987 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) Senior officers in charge of matters directly relative to OECF loans
- 2) University graduates or equivalent
- 3) Good working knowledge of English
- 4) Preferably under 45 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - OECF's role in Japan's Economic Cooperation
 - OECF's activities
 - Loan Procedures
- 2) Observation tour

5. FACILITIES AND INSTITUTIONS

The Overseas Economic Cooperation Fund

6. REMARKS

ENVIRONMENTAL ADMINISTRATION (環境行政)

1. PERIOD

January 18, 1988 to March 11, 1988 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Senior technical or administrative officials for environmental administration, and in a position to participate in planning and deciding environmental policy in either central or local, in governmental organizations
- 2) Be preferably between thirty five (35) and forty-five (45) years of age
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Environmental issues in Japan
 - Historical background of Japan's environmental administration
 - Japanese policy for preservation of the environment
 - Environmental impact assessment in regional development plans
 - Pollution control measures taken by the private industry
 - Government organization for protection of the environment
 - Legislation for pollution control
 - Formulation of pollution control programmes
 - Environmental enforcement and quality standards
 - Surveillance and monitoring system
 - Research activities, in the field of environmental science and technology
 - Relief measures for the victims of pollution
 - Conservation of natural environment
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

International Affairs Division, Environment Agency

6. REMARKS

ENVIRONMENTAL ENGINEERING (WATER POLLUTION CONTROL)

(環境技術 (水質保全))

1. PERIOD

September 7, 1987 to October 27, 1987 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Technical officials presently in charge of water pollution control including domestic and industrial waste water management in central or local governments
- 2) Three years or more experience in their respective fields
- 3) University graduates or equivalent
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Planning and implementation of water pollution control
 - Technologies of water management
 - Effects of water pollution on water use and its countermeasures
 - Institutional development
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Water Quality Bureau, Environmental Agency
Japan Society on Water Pollution Research

6. REMARKS

No. 20

ENVIRONMENTAL TECHNOLOGY (AIR POLLUTION CONTROL) (環境技術(大気保全))

1. PERIOD

From February 4, 1988 to March 17, 1988 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) Technical officials directly responsible for air pollution control administration with more than 3 years of experience.
- 2) University graduates or equivalent with technical qualifications in this field
- 3) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lecture and Practice
 - Environmental pollution issues in Japan
 - Air pollution control administration
 - Planning and countermeasures
 - Measurement and assessment
- 2) Country report presentation
- 3) Field observation

5. FACILITIES AND INSTITUTION

- 1) Hachioji International Training Centre, JICA
- 2) Environment Agency
- 3) Japan Environmental Sanitation Centre (JESC)

6. REMARKS

No. 21

MARINE ENVIRONMENT PROTECTION (海洋保全)

1. PERIOD

August 20, 1987 to October 31, 1987 (2.5-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) University graduates or equivalent, or have the occupational experience of more than five (5) years in the field of marine pollution prevention,
- 2) Presently engaged in the above-mentioned field,
- 3) Under forty (40) years of age,
- 4) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Organization and service of Maritime Safety Agency
- 2) Search and rescue operation and marine disaster prevention
- 3) Measures for oil clean-up
- 4) Laws relating to the Prevention of Marine Pollution and Maritime Disaster, etc.
- 5) Situation of marine pollution and preventive measures at sea around Japan
- 6) Control system of marine pollution and its operation
- 7) Investigation of violation of the laws
- 8) Measures for research on drifting, drifting ashore of oil balls and cause of their forming
- 9) Measures for research on distinction between oil balls and drifting, drifting ashore of oil
- 10) Measurement of oil content
- 11) Inspection of research on distinction of oil balls
- 12) Inspection of research on distinction of drifting, drifting ashore of oil
- 13) Training cruise 1 and 2
- 14) Training flight
- 15) Drills of spilled oil control

5. FACILITIES AND INSTITUTIONS

- 1) Maritime Safety Agency
- 2) The 11th Regional Maritime Safety Headquarters

6. REMARKS

INDUSTRIAL POLLUTION CONTROL PRACTICE (産業環境対策)

1. PERIOD

September 15, 1987 to December 21, 1987

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) University graduate or equivalent
- 2) Occupational experience of not less than three years in industrial pollution control or environmental administration in central or provincial government or public organization
- 3) Under 40 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 1. Introduction (the History of Industrial Pollution Preventive Measures in Japan)
 2. Health Effects of Environmental Pollutant
 3. Environmental Engineering
 4. Atmospheric Preservation Administration
 5. Water Preservation Administration
 6. Industrial Waste Administration
 7. Environmental Pollutant Measuring Method
 8. Environmental Pollution Measures in Chemical Industry
 9. Environmental Pollution Measures in Electric Power Industry
 10. Environmental Pollution Measures in Steel Industry
 11. Environmental Pollution Measures in Cement Industry
 12. Environmental Pollution Measures in Small- and Medium-size Enterprises
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Kitakyushu International Training Association
- 2) Kitakyushu Municipal Government

6. REMARKS

GENERAL STATISTICS (一般統計)

1. PERIOD

September 17, 1987 to March 26, 1988 (6.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirty (30)

3. QUALIFICATIONS

- 1) University graduates specialized in statistics, economics or sociology or those who have the equivalent knowledge and experience
- 2) Those who have a sufficient knowledge of basic mathematics
- 3) Between 25 and 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Statistical methods
 - Sampling methods
 - Statistical operations, Computing
 - National accounting statistics
 - Demographic and social statistics
 - Economic statistics
 - Food and agricultural statistics
- 2) Observation of field operations of statistical surveys

5. FACILITIES AND INSTITUTIONS

- 1) Statistical Institute for Asia and the Pacific (SIAP)
- 2) Management and Coordination Agency

6. REMARKS

AUTOMATIC DATA PROCESSING (ADP) (ADP (自動データ処理))

1. PERIOD

May 11, 1987 to August 16, 1987 (3.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or have the equivalent knowledge and experience
- 2) Upper and middle level statisticians of statistical offices whose present or intended work includes responsibility for statistical censuses, surveys or other statistical activities
- 3) Over 25 but under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Systems analysis and equipment selection
- 2) Electronic data processing and PL/I programming language
- 3) Large-file statistical data processing
- 4) Computer methods in statistical analysis
- 5) Statistical operations
- 6) Computer laboratory

5. FACILITIES AND INSTITUTIONS

- 1) Statistical Institute for Asia and the Pacific
- 2) Management and Coordination Agency

6. REMARKS

No. 25

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(SENIOR PROGRAMMER (A)) (シニア・プログラマー(A))

1. PERIOD

July 16, 1987 to November 9, 1987 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fourteen (14)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) year's experience in programming or be person with more than three (3) years' experience in programming
- 2) Having experience in programming with COBOL, FORTRAN, PL/I or assembly languages
- 3) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- | | |
|---|---|
| 1) System development outline | 13) Operating system introduction |
| 2) Hardware introduction | 14) Exercise on TSS usage |
| 3) Data communication system introduction | 15) Exercise on OS usage |
| 4) Advanced computer technology | 16) Exercise on COBOL programming |
| 5) Special lecture | 17) Exercise on system operation |
| 6) COBOL programming | 18) Exercise on database programming |
| 7) On-line database system introduction | 19) Exercise on data communication programming |
| 8) Database programming | 20) System development workshop (including presentation) |
| 9) Data communication programming | 21) Observation tour (computer manufacturers, computer system centres, research institutes, etc.) |
| 10) Program design methodology | |
| 11) TSS (Time Sharing System) usage | |
| 12) OS (Operating System) usage | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 26

INFORMATION PROCESSING PERSONNEL
(SENIOR PROGRAMMER (B))

(情報処理要員養成)
(シニア・プログラマー(B))

1. PERIOD

November 5, 1987 to March 7, 1988 (5-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) year's experience in programming or be person with more than (3) years' experience in programming
- 2) Having experience in programming with COBOL, FORTRAN, PL/I or assembly languages
- 3) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- | | |
|---|--|
| 1) System development outline | 14) Exercise on TSS usage |
| 2) Hardware introduction | 15) Exercise on OS usage |
| 3) Data communication system introduction | 16) Exercise on COBOL programming |
| 4) Advanced computer technology | 17) Exercise on system operation |
| 5) Special lecture | 18) Exercise on database programming |
| 6) COBOL programming | 19) Exercise on data communication programming |
| 7) On-line database system introduction | 20) System development workshop (including presentation) |
| 8) Database programming | 21) Observation tour |
| 9) Data communication programming | |
| 10) Program design methodology | |
| 11) TSS (Time Sharing System) usage | |
| 12) OS (Operating System) usage | |
| 13) Operating system introduction | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(INSTRUCTOR) (インストラクター)

1. PERIOD

April 9, 1987 to September 12, 1987 (5.5-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) year's experience in programming or be person with more than (3) years' experience in programming
- 2) Having experience in programming with COBOL, FORTRAN, PL/I or assembly languages
- 3) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- | | |
|---|---|
| 1) System development outline | 13) OS (Operating System) usage |
| 2) Hardware introduction | 14) Operating system introduction |
| 3) Data communication system introduction | 15) System operation |
| 4) Advanced computer technology | 16) System development workshop (including presentation) |
| 5) Special lecture | 17) Instructor Training |
| 6) Database design | 18) Observation tour (Computer manufacturers, computer system centres, research institutes, etc.) |
| 7) COBOL programming | |
| 8) On-line database system introduction | |
| 9) Database programming | |
| 10) Data communication programming | |
| 11) Program design methodology | |
| 12) TSS (Time Sharing System) usage | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 28

INFORMATION PROCESSING PERSONNEL
(MANAGEMENT)

(情報処理要員養成)
(マネージメント)

1. PERIOD

May 7, 1987 to June 15, 1987 (1.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Sixteen (16)

3. QUALIFICATIONS

- 1) Persons presently engaged in management and have less than one (1) year of occupational experience as a DP manager
- 2) University graduates or have the equivalent academic background
- 3) Under forty-five (45) years of age

4. DESCRIPTION OF TRAINING

- 1) Software engineering introduction
- 2) System development outline
- 3) Special lecture
- 4) Advanced computer technologies
- 5) DP system planning
- 6) DP division management
- 7) Case study
- 8) Exercise on system development
- 9) Project management game
- 10) Observation tour (Computer manufacturers, computer system centres, research institutes, etc.)

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 29

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(PERSONAL COMPUTER (A)) (パーソナル・コンピュータ(A))

1. PERIOD

May 7, 1987 to July 23, 1987 (2.5-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or the person with knowledge of basic statistics such as mean, deviation and summation
- 2) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- 1) Personal computer introduction
- 2) Special lecture
- 3) BASIC introduction
- 4) BASIC advanced
- 5) Business management tools (Super Calc 3, Word Star)
- 6) Database (dBASE II)
- 7) System design (dBASE II)
- 8) Personal Computer Case Study
- 9) Observation tour (Computer manufacturers, computer system centres, research institutes, etc.)

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

No. 30

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(PERSONAL COMPUTER (B)) (パーソナル・コンピューター(B))

1. PERIOD

August 20, 1987 to November 8, 1987 (2.5-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or the person with knowledge of basic statistics such as mean, deviation and summation
- 2) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- 1) Personal computer introduction
- 2) BASIC introduction
- 3) BASIC advanced
- 4) Special lecture
- 5) Business management tools
- 6) Database introduction
- 7) Database workshop
- 8) System design basic
- 9) System design workshop
- 10) Case study
- 11) Observation tour (Computer manufacturers, computer system centres, research institutes, etc.)

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(SYSTEM ENGINEER (A)) (システム・エンジニア(A))

1. PERIOD

April 2, 1987 to October 3, 1987 (6 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates with more than three (3) years' experience in system development
- 2) Having more than three (3) years' experience in programming with COBOL
- 3) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- | | |
|--|---|
| 1) Operating system introduction | 13) Programme design methodology |
| 2) On-line database | 14) Test planning |
| 3) Computer architecture | 15) Project management |
| 4) Advanced computer technology | 16) DP division management |
| 5) Special lecture | 17) VSAM COBOL programming |
| 6) Case study | 18) Data communication programming |
| 7) System development outline | 19) TSS (TIME Sharing System) usage |
| 8) System analysis | 20) OS (Operating System) usage |
| 9) System estimation | 21) System operation |
| 10) System evaluation | 22) System generation |
| 11) Data communications network design | 23) System development workshop
(including presentation) |
| 12) Reliable system design | 24) Observation tour (Computer manufacture-
rs, Computer systems centres, research
institutes, etc) |

5. FACILITIES AND INSTITUTIONS

6. REMARKS

Okinawa International Centre (OIC), JICA

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(SYSTEM ENGINEER (B)) (システム・エンジニア(B))

1. PERIOD

September 24, 1987 to March 30, 1988 (6-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates with more than three (3) years' experience in system development
- 2) Having experience more than three (3) years' experience in programming with COBOL
- 3) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- | | |
|--|--|
| 1) Operating system fundamentals | 19) VSAM COBOL programming |
| 2) On-line database outline | 20) Data communication programming |
| 3) Programming language outline | 21) TSS (TIME Sharing System) usage |
| 4) Computer architecture | 22) OS (Operating System) usage |
| 5) Advanced computer technology | 23) System operation |
| 6) Special lecture | 24) System generation |
| 7) Case study | 25) Exercise on TSS Usage |
| 8) System development outline | 26) Exercise on OS Usage |
| 9) System analysis | 27) Exercise on VSAM COBOL Programming |
| 10) System estimation | 28) Exercise on Data Communication Programming |
| 11) System evaluation | 29) Exercise on System Operation |
| 12) Data communications network design | 30) Exercise on System Generation |
| 13) Reliable system design | 31) Exercise on System Evaluation |
| 14) Software production technology | 32) System development workshop (including presentation) |
| 15) Programme design methodology | 33) Observation tour (Computer manufacturers, research institutes, etc.) |
| 16) Test planning | |
| 17) Project management | |
| 18) DP division management | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(DATABASE SYSTEM DESIGN) (データベース・システム設計)

1. PERIOD

April 9, 1987 to July 24, 1987 (4-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates with more than one (1) years' experience in programming or person with more than three (3) years' experience in programming
- 2) Having experience in programming with COBOL and in system design by using conventional files
- 3) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- | | |
|---|---|
| 1) On-line database system introduction | 10) OS (Operating System) usage |
| 2) System development outline | 11) Database Programming |
| 3) Advanced computer technology | 12) System development working (including presentation) |
| 4) Database design | 13) Observation Tour (Computer manufacturers, Computer system centres, Research institutes, etc.) |
| 5) Database creation | |
| 6) Recovery Design | |
| 7) Project management | |
| 8) COBOL workshop | |
| 9) TSS (Time Sharing System) usage | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre (OIC), JICA

6. REMARKS

INFORMATION PROCESSING PERSONNEL (情報処理要員養成)
(ON-LINE SYSTEM DESIGN) (オンライン・システム設計)

1. PERIOD

November 26, 1987 to March 28, 1988 (4-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates With more than one (1) year's experience in programming or person with more than three (3) years' experience in programming
- 2) Having experience in programming with COBOL and in system design of batch processing.
- 3) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- | | |
|---|---|
| 1) Data communication system introduction | 10) Project management |
| 2) Online database system introduction | 11) COBOL workshop |
| 3) System development outline | 12) TSS (Time Sharing System) usage |
| 4) Advanced computer technology | 13) OS (Operating System) usage |
| 5) Online system design | 14) Data communication programming |
| 6) Data communication system creation | 15) System development workshop
(including presentation) |
| 7) System estimation | 16) Observation tour (Computer Manufac-
turers, Computer system Centres,
Research Institutes, etc.) |
| 8) System simulation | |
| 9) Data communications network design | |

5. FACILITIES AND INSTITUTIONS

Okinawa International Centre, (OIC) JICA

6. REMARKS

INFORMATION PROCESSING PERSONNEL
(APPLICATION PACKAGE) 情報処理要員養成
(汎用パッケージ利用)

1. PERIOD

January 7, 1988 to March 19, 1988 (3-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eleven (11)

3. QUALIFICATIONS

- 1) University graduates or applicants with attainments equal to university graduates
- 2) Having experience in programming with more than one language as follows:
COBOL, FORTRAN, PL/I, BASIC, PASCAL and C
- 3) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- 1) Application packages introduction methodology
- 2) Application package --PLANNER
- 3) Application package --ANALYST
- 4) Application package --MDS IV
- 5) Application package system workshop
- 6) TSS (Time Sharing System) usage
- 7) System analysis
- 8) Project management
- 9) Advanced computer technology
- 10) Performance measurement

5. FACILITIES AND INSTITUTION

Okinawa International Centre, (OIC) JICA

6. REMARKS

PUBLIC UTILITY WORKS

WATER WORKS ENGINEERING (上水道施設)

1. PERIOD

May 14, 1987 to August 14, 1987 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 26 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Water supply planning
 - Water works management
 - Water purification and quality
 - Pipeline
 - Mechanical and electrical installation
 - Personal programme
 - Financial cooperation
 - Technical cooperation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Health and Welfare
- 2) Japan Water Works Association

6. REMARKS

SEWAGE WORKS ENGINEERING (下水道技術)

1. PERIOD

August 27, 1987 to November 30, 1987 (3.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Senior technical officers
- 4) Good working knowledge of English
- 5) Under 40 years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Basic concept of sewage works
 - Collection system
 - Wastewater treatment
 - Sludge handling
 - Case study
 - Water quality monitoring
 - Advanced wastewater treatment
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) City Bureau, Ministry of Construction
- 2) Japan Sewage Works Agency

6. REMARKS

SOLID WASTE MANAGEMENT AND NIGHT SOIL TREATMENT (廃棄物処理)

1. PERIOD

May 25, 1987 to July 31, 1987 (2.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Three years or more experience in their respective fields
- 3) Technical officials in charge of solid waste management (domestic and industrial solid waste management including night soil treatment) in central or provincial government or in local bodies
- 4) A sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction
 - Planning
 - Refuse collection and transportation
 - Solid waste disposal
 - Night soil treatment
 - Country report
 - Introduction of solid waste analysis
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Planning division, Water Supply and Environment Department, Environmental Health Bureau
- 2) Department of Sanitary Engineering, The Institute of Public Health
- 3) Japan Environmental Sanitation Centre

6. REMARKS

TRANSPORTATION AND TRAFFIC

AIDS TO MARINE NAVIGATION (航路標識)

1. PERIOD

August 20, 1987 to October 24, 1987 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) High school graduates or equivalent with sufficient knowledge on physics
- 2) Middle class officers in the field of aids to marine navigation service
- 3) Under 45 years of age
- 4) Have a sufficient command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Maritime Traffic in Japan
 - Aids to Navigation System in Japan
 - Visual Aids to Navigation
 - Outline of Buoys
 - Outline of Radio Aids to Navigation
 - Treatment of Lighthouse Monitoring Equipment
 - Automatic Control for Lighthouse
 - Treatment of Lighting Equipment
- 2) Observation tours
 - Maritime Safety Agency Research Centre
 - Maritime Safety School
 - Omega Data Analysis Centre
 - Tokyo Lighted Beacon
 - Decca Station
 - Loran Station
 - Tokyo Bay Traffic Advisory Service Centre
 - Vessel Traffic Information Station
 - Hesaki Lighthouse
 - Tidal Stream Signal Station
 - Omega Station
 - Aids to Navigation Research Vessel
 - Buoy Tender
 - Wave Activated Generator Factory
 - Buoy Factory
 - Air Cell Factory
 - Solar Battery Factory
 - Chain Factory

5. FACILITIES AND INSTITUTIONS

Maritime Safety Agency

6. REMARKS

1. PERIOD

January 21, 1988 to March 3, 1988 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in the field of motor vehicles' administration
- 3) Occupy a responsible position at present in the governmental or public organization
- 4) Good working knowledge of English
- 5) Under 50 years of age

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - Outline of legal system of motor vehicle in Japan
 - Regulation of motor vehicle safety and pollution control measures
 - Motor vehicle maintenance and repair
 - Motor vehicle registration
 - Motor vehicle inspection
 - Motor vehicle transport
 - Controlling traffic operation and reporting traffic accidents
 - Motor vehicle insurance
 - Driver's licence
 - Motor vehicle safety and pollution control
 - Standard and production activities on motor vehicle
 - Road service, adequacy of drivers and traffic control
- 2) Observation and study tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Other relevant organization

6. REMARKS

RAILWAY ROLLING STOCK ENGINEERING (鉄道車両)

1. PERIOD

August 13, 1987 to November 5, 1987 (3-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Railways and rolling stocks in Japan
 - Planning and administration of rolling stock
 - Design and specification of rolling stock
 - Procurement and inspection of rolling stock, administration and repair of rolling stock
 - Planning on maintenance and repair of rolling stock
 - Rolling stock maintenance and repair engineering
 - Rolling stock maintenance and repair programme control: railway workshop management
 - Rolling stock manufacturing engineering
 - Rolling stock manufacturing process control and factory management
 - Train utilization
 - Industries and facilities related to rolling stock
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japanese Railways (JR)
- 2) Japan Rolling Stock Exporter's Association
- 3) Ministry of Transport
- 4) Japan Association of Rolling Stock Industries

6. REMARKS

RAILWAY SIGNAL ENGINEERING (鉄道信号)

1. PERIOD

January 11, 1988 to April 25, 1988 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Occupational experience of more than 7 years
- 3) Qualified in their respective fields
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Types and functions of railway signal used in Japan
 - Control and administration of signal facilities
 - Communication for train operation
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japanese Railways (JR)
- 3) Japan Association of Signal Industries (JASI)

6. REMARKS

MAINTENANCE AND IMPROVEMENT
ENGINEERING OF PERMANENT WAYS (鉄道線路保守改良)

1. **PERIOD**

September 24, 1987 to December 22, 1987 (3.5-month)

2. **NUMBER OF PARTICIPANTS TO BE RECEIVED**

Eight (8)

3. **QUALIFICATIONS**

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 5 years
- 4) Under 35 years of age
- 5) Good working knowledge of English

4. **DESCRIPTION OF TRAINING**

- 1) Lectures and practical training
 - Outline of railway in Japan
 - Construction of railway in Japan
planning for construction work, stations designing of track, permanent way structure, etc.
 - Maintenance of track and structure
modern method and techniques of track maintenance for higher speed and low cost, reinforcement of structure, inspection of track, etc.
- 2) Observation tours

5. **FACILITIES AND INSTITUTIONS**

- 1) Ministry of Transport
- 2) Japanese Railways (JR)
- 3) Japan Railway Construction Public Corporation
- 4) Osaka International Training Centre, JICA

6. **REMARKS**

RAILWAY ELECTRIFICATION (鉄道電化)

1. PERIOD

October 12, 1987 to December 12, 1987 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 7 years
- 4) Under 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Planning of railway electrification
 - Economic effects by railway electrification
 - Facilities and equipments for railway electrification
 - Planning of train operation
 - Measures for train's speed-up and permanent way
 - Industries concerned and others
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japanese Railways (JR)
- 3) Railway Electrification Association

6. REMARKS

PORTS AND HARBOURS (SEMINAR) (港湾セミナー)

1. PERIOD

October 1, 1987 to November 30, 1987 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
(Senior administrative work)
- 3) Occupational experience of more than 8 years
- 4) Between 35 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Administration and management of ports and harbours
 - Technical aspects of port development
 - Port planning in general
 - Port management and operation
 - Cargo handling operation
 - Discussion on the present situation and problems of ports and harbours in the participating countries
 - Discussion on the port administration, port operation and port planning
 - Intensive case study of a port
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

Bureau of Ports and Harbours, Ministry of Transport

6. REMARKS

PORT AND HARBOUR ENGINEERING (港湾工学)

1. PERIOD

April 27, 1987 to September 5, 1987 (4.5 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seventeen (17)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under 40 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Outline of ports and harbours in Japan
 - Planning techniques of ports and harbours
 - Design techniques of port and harbour facilities
 - Execution techniques of port and harbour works
 - Basic theory of port and harbour engineering
- 2) Exercise
 - Design of ports and harbour facilities
- 3) Intensive study on harbour works at Onahama Port
- 4) Discussions on technical problems in ports and harbours in participating countries
- 5) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Bureau of Ports and Harbours, Ministry of Transport
- 2) Port and Harbour Research Institute
- 3) District Port Construction Bureaus

6. REMARKS

SHIPPING BUSINESS (海運経営実務)

1. PERIOD

May 7, 1987 to July 5, 1987 (2.5-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eleven (11)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Engaged in shipping authorities or business
- 3) Occupational experience of more than 3 years
- 4) Under thirty five (35) years of age
- 5) Good working knowledges of English

4. DESCRIPTION OF TRAINING

- 1) Lecture
 - Shipping administration in Japan
 - International shipping
 - Shipping legislations
 - Liver business
 - Containerization
 - Tanker business
 - Marine Insurance
 - Ship building
 - Other related lectures
- 2) On-the-job-training
- 3) Observation and study tour

5. FACILITIES AND INSTITUTIONS

- 1) Shipping Bureau, Ministry of Transport
- 2) Maritime International Cooperation Centre

6. REMARKS

ADMINISTRATION FOR SEAMEN'S EDUCATION (船員教育行政)

1. PERIOD

October 22, 1987 to December 2, 1987 (1.5 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Between 25 and 45 years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and observations
 - Seamen's education and training
 - Qualification for ships officer
 - Labor standards of seamen
 - Seamen's welfare
 - Employment system for seamen
 - Mariners' insurance system
 - Present situation and the future of shipping
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Maritime Technology and Safety Bureau, Ministry of Transport
- 1) Maritime International Cooperation Centre

6. REMARKS

SHIPBUILDING MANAGEMENT (SEMINAR) (造船経営管理セミナー)

1. PERIOD

May 21, 1987 to July 23, 1987 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) More than 8 years occupational experience in the field of management in the governmental, public, or shipyards organization
- 3) Between 35 and 50 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) General Orientation on Japan
- 2) Lectures
 - Japanese shipbuilding industries
 - Planning, business and financial system of shipyards
 - Production management of shipyards
 - Problem of future strategy in shipbuilding industry
- 3) Discussion on the present situation of shipbuilding management
- 4) Observation tours to major shipyards

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Overseas Shipbuilding Co-operation Centre

6. REMARKS

MARINE TECHNIQUE (NAVIGATION) (航海技術(航海士))

1. PERIOD

May 21, 1987 to July 23, 1987 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) High school graduates who are engaged in maritime affairs, with the experience of more than three (3) years of on-board Navigation service, or those who have the equivalent knowledge and experience
- 2) Male, between twenty-two (22) and thirty-five (35) years of age
- 3) Good working knowledge of English
- 4) Good health, both physically and mentally

4. DESCRIPTION OF TRAINING

- | | |
|--|--|
| 1) General Orientation | 11) Ship Power Plant |
| 2) Japanese Language | 12) Cargo Handling and Stowage |
| 3) Navigation Instrument | 13) Fire Prevention and Fire Fighting Appliances |
| 4) Terrestrial, Coastal and Celestial Navigation | 14) Emergency Procedures |
| 5) Radar Navigation and Electronic Navigation Aids | 15) Medical Care and Aid |
| 6) Voyga Planning | 16) Life Saving |
| 7) Ship Construction, Stability and Damage Control | 17) Search and Rescue |
| 8) Watchkeeping | 18) Communication by Radio and Visual Signaling |
| 9) Meteorology and Oceanography | 19) Maritime Laws and Regulations |
| 10) Ship Manoeuvring and Handling | 20) IMCO Standard Maritime Navigational Vocabulary |

5. FACILITIES AND INSTITUTIONS

Okinawa Branch of Japan Educational Institute for Seamen (JEIS)

6. REMARKS

MARINE TECHNIQUE (ENGINEER) (航海技術(機関士))

1. PERIOD

April 2, 1987 to November 30, 1987 (8-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATIONS

- 1) High school graduates who are engaged in maritime affairs, with the experience of more than three (3) years of on-board Engineering service, or those who have the equivalent knowledge and experience
- 2) Male, between twenty-two (22) and thirty-five (35) years of age
- 3) Good working knowledge of English
- 4) Good health, both physically and mentally

4. DESCRIPTION OF TRAINING

- | | |
|---------------------------------------|---|
| 1) General orientation | 13) Fuels and Lubricants |
| 2) Japanese Language | 14) Basic Knowledge of Engineering |
| 3) Diesel Engines | 15) Naval Architecture and Ship Construction |
| 4) Steam Turbines | 16) Jobs in Ship-yards and Watchkeeping |
| 5) Gas Turbines | 17) Procedures for Protection of Marine Environment |
| 6) Propeller and Propulsion Systems | 18) Fire Prevention and Fire Fighting Appliances |
| 7) Main and Auxiliary Boilers | 19) Prevention for Flood and Emergency Procedures |
| 8) Auxiliary Machineries | 20) Medical Care and Aid |
| 9) Refrigerator | 21) Life Saving |
| 10) Ships' Work-shop | 22) Prevention for Health Hazards |
| 11) Automatic Control Systems | 23) Maritime Laws and Regulations |
| 12) Electric and Electronic Equipment | |

5. FACILITIES AND INSTITUTIONS

Okinawa Branch of Japan Educational Institute for Seamen (JEIS)

6. REMARKS

DEVELOPMENT OF CONTAINER TERMINAL (コンテナ埠頭整備計画)

1. PERIOD

January 14, 1988 to March 9, 1988 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATIONS

- 1) University graduates or equivalent with occupational experience in development and management of terminal
- 2) Engaged in the field of development and management of container terminal of the government or related public organization
- 3) Between 30 and 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and discussions
 - Containerization and development of container terminals
 - Planning method of container terminal
 - Development of container terminal
- 2) Intensive study (Case study)
 - Management and maintenance of terminal (Kobe port)
- 3) Observation tours
 - Container terminal of Tokyo, Yokohama, Shimizu and Nagoya Port

5. FACILITIES AND INSTITUTIONS

Bureau of Ports and Harbours, Ministry of Transport

6. REMARKS

AERODROME (SEMINAR) (空港セミナー)

1. PERIOD

August 20, 1987 to October 11, 1987 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Qualified in their respective fields
- 3) Occupational experience of more than 3 years
- 4) Under forty (40) years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Introduction to Civil Aviation in Japan
 - Airport development
 - Airport planning
 - Airport construction and maintenance
 - Management of operation of airport
- 2) Discussion on the subjects of country reports
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

Civil Aviation Bureau, Ministry of Transport

6. REMARKS

AIRPORT MANAGEMENT AND SECURITY (空港管理・保安セミナー)

1. PERIOD

January 25, 1988 to March 5, 1988

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATIONS

- 1) University graduate, or equivalent with occupational experience of more than 5 years
- 2) Presently engaged in airport management and aviation security in Ministry of Transport and Airport Authority.
- 3) Under 45 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures
 - Present Situation of Civil Aviation in Japan
 - Airport Management
 - Aviation Security
- 2) Presentation of country report
- 3) Observation Tours

5. FACILITIES AND INSTITUTIONS

- 1) Ministry of Transport
- 2) Japan Transport Consultants Association

6. REMARKS

No. 54

URBAN TRANSPORT (SEMINAR) (都市交通セミナー)

1. PERIOD

May 8, 1987 to July 10, 1987 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Occupational experience of more than three (3) years
- 3) Presently engaged in urban transport administration preferably in the field of railway
- 4) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

- 1) General orientation on Japan
- 2) Lectures
 - Outline of urban transport in Japan
 - Specific characteristics of each mode
 - Method of general urban transport planning
 - Case study of the actual railway project
- 3) Discussion on the subjects of country reports
- 4) Observations

5. FACILITIES AND INSTITUTIONS

Ministry of Transport
Japan Transport Consultants Association

6. REMARKS

COMPREHENSIVE URBAN TRANSPORTATION PLANNING

(総合都市交通施設計画)

1. PERIOD

October 12, 1987 to December 9, 1987 (2-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATIONS

- 1) University graduate or equivalent with occupational experience of more than three (3) years
- 2) Presently engaged in urban transport administration
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Presentation of country reports and discussions
- 2) Lectures
 - Viewpoint of urban transportation planning
 - Socio-economic system and urban transportation planning
 - Urban transport survey system
 - Comprehensive urban transportation planning
 - Urban transport facilities planning
- 3) Observation tours

5. FACILITIES AND INSTITUTIONS

Ministry of Construction

6. REMARKS

SEISMOLOGY AND EARTHQUAKE ENGINEERING (地震工学)

1. PERIOD

September 14, 1987 to August 24, 1988 (12-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATIONS

- 1) University graduates or equivalent with professional experience of more than 3 years
- 2) Well versed in basic mathematics
(Differential and integral calculus, etc.)
- 3) Under 35 years of age
- 4) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
 - Both of courses: General seismology, basic programming of computer, etc.
 - Seismology course: Seismological application computer, elasticity, etc.
 - Earthquake engineering course: Earthquake resistant design of building structure, etc.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) International Institute of Seismology and Earthquake Engineering (IISEE), Building Research Institute, Ministry of Construction
- 2) Tsukuba International Centre, JICA

6. REMARKS

No. 57

SEISMOLOGY AND EARTHQUAKE ENGINEERING (SEMINAR)

(地震工学セミナー)

1. PERIOD

November 12, 1987 to December 11, 1987 (1-month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATIONS

- 1) Preferably ex-participants in Group Training Course in Seismology and Earthquake Engineering or their equivalent
- 2) Engaged in the field of Earthquake Engineering more than 10 years
- 3) More than 35 years of age
- 4) Having a sufficient command of spoken and written English
- 5) Good health

4. DESCRIPTION OF TRAINING

Lectures and discussions

- Strong ground motions and earthquake design codes
- Case study: 1985 Mexican earthquake
- Repair and strengthening of structures after earthquake

Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) International Institute of Seismology and Earthquake Engineering, Ministry of Construction
- 2) Tsukuba International Centre, JICA

6. REMARKS

METEOROLOGY (気象学)

1. PERIOD

August 31, 1987 to December 21, 1987 (4-months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATIONS

- 1) University graduates or equivalent
- 2) Be presently engaged in meteorological observation or forecasting, of the governmental or related public bodies
- 3) Occupational experience of more than 3 years
- 4) Under forty (40) years of age
- 5) Good working knowledge of English

4. DESCRIPTION OF TRAINING

- 1) Lectures and practical training
- Practical meteorology, meteorological observation, data processing, telecommunication systems, satellite data application, marine meteorological service, and aviation weather service.
- 2) Observation tours

5. FACILITIES AND INSTITUTIONS

- 1) Japan Meteorological Agency
- 2) Meteorological Research Institute of JMA
- 3) Meteorological Satellite Centre of JMA
- 4) Meteorological College of JMA

6. REMARKS

