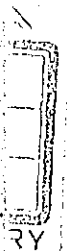


**Outline of  
The Group Training Course  
in Japan**

1975

Japan International Cooperation Agency  
Tokyo, Japan



国際協力事業団	
受入 月日 '84. 5. 24	000
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本資料は、わが国の技術協力計画の一環として、1975事業年度において開発途上諸国からの技術研修員受入れに伴う集団研修コース実施計画を概約し全体的な内容を照会する目的で作成したものであります。

本事業年度実施予定の各集団研修コースの詳細を明記したインフォメーションは逐次送付する予定であるが、当該事業を円滑に、また効果的に展開するためにも関係者各位に前記インフォメーション送付以前に当該事業年度の各研修コースの概要把握のための資料として送付するものであり、また相手国政府当局との協議、連絡、要望調査等の参考資料としてご利用いただければ甚だ幸いと存じます。

昭和50年4月

国際協力事業団  
研修事業部長

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- CONTENTS -

1.	Agriculture .....	1
2.	Livestock .....	11
3.	Forestry .....	17
4.	Fishery .....	21
5.	Construction and Civil Engineering .....	31
6.	Public Utility .....	43
7.	Mining Industry .....	51
8.	Heavy Industry .....	59
9.	Chemical Industry .....	75
10.	Light Industry .....	79
11.	Transport and Traffic .....	87
12.	Posts, Telecommunications and Broadcasting .....	105
13.	Medicine and Welfare .....	125
14.	Management Technique .....	137
15.	Economy and Finance .....	147
16.	Education and Labour .....	155
17.	Statistics .....	171
18.	Public Administration .....	179

## **1. AGRICULTURE**



**SERIAL NUMBER 5**

**RICE CULTIVATION AND ITS EXTENSION**

**1. PERIOD**

April 3 to December 22, 1975

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

Twelve (12)

**3. QUALIFICATION**

- 1) *University graduates with the occupational experience of more than three (3) years*
- 2) *Presently engaged in extension service or training offices in charge of rice cultivation*
- 3) *Between twenty-five (25) and thirty-five (35)*

**4. DESCRIPTION OF TRAINING**

Lectures, experiment Practical Training and Visits on the following:

—Scientific knowledge and technology of rice cultivation for extension workers

**5. FACILITIES AND INSTITUTIONS**

—Uchihara International Agricultural Training Centre

**6. REMARKS**

SERIAL NUMBER 7

VEGETABLE PRODUCTION AND ITS EXTENSION

**1. PERIOD**

April 3 to January 22, 1975

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

Twelve (12)

**3. QUALIFICATION**

- 1) University graduates with occupational experience of more than three (3) years
- 2) Those who are presently engaged in the extension service or training officers of vegetable, horticulture or agronomists
- 3) Between twenty-five (25) and thirty-five (35) years or age

**4. DESCRIPTION OF TRAINING**

Lectures, experiment, Practical Training and Visits on the following:

–Scientific knowledge and technologies in vegetable cultivation in the extension field

**5. FACILITIES AND INSTITUTIONS**

Uchiyama International Agricultural Training Centre

**6. REMARKS**



SERIAL NUMBER 8 & 71

IRRIGATION AND DRAINAGE (8 & 71)

1. PERIOD

- 1) April 3 to July 31, 1975 (Serial No. 8)
- 2) August 28 to December 26, 1975 (Serial No. 71)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10) each

3. QUALIFICATION

Counter parts' or assistants of the Japanese experts engaged in overseas agricultural development projects or technical training programmes under the cooperation of the Government of Japan

4. DESCRIPTION OF TRAINING

Lectures, experiment, Practical Training and Visits on the following:  
-Fundamental knowledge and technology of the small scale irrigation and drainage

5. FACILITIES AND INSTITUTIONS

-Uchihara International Agricultural Training Centre

6. REMARKS

SERIAL NUMBER 11

AGRICULTURAL EXTENSION SERVICE

1. PERIOD

April 10 to July 10, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates
- 2) Those who are engaging in the extension work for the farmers or in the training of extension workers, with more than three years of experience
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Backgrounds and present situations of Japanese agriculture and its extension service
- Practice of extension works

5. FACILITIES AND INSTITUTIONS

-Extension and Education Division, Extension Department, Agricultural Administration Bureau,  
Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 30

CONTROL OF RICE DISEASES AND INSECTS

1. PERIOD

May 15 to November 10, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates
- 2) Those who are presently engaged in the technical guidance of rice disease and insect control on extension level
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, experiments, *Practical Training and Visits* on the following:

- Rice diseases and insect pests
- Pesticides
- General principles of *disease and insect pest control*
- Forecasting, estimation of damages and evaluation of results of control

5. FACILITIES AND INSTITUTIONS

- Hyogo Prefectural Agricultural Experiment Station
- Kobe University, Chemical Research Laboratory of Agricultural Department

6. REMARKS

SERIAL NUMBER 55

AGRICULTURAL LAND  
AND WATER RESOURCES DEVELOPMENT

1. PERIOD

July 3 to August 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Senior irrigation engineers
- 2) University graduates who have experiences in agricultural land and water resources development for not less than ten (10) years
- 3) Under forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, discussions, and Visits on the following:

- Irrigation projects
- Planning criteria for irrigation projects
- Design criteria for irrigation projects
- Operation and maintenance of irrigation facilities

5. FACILITIES AND INSTITUTIONS

-Agricultural Structure Improvement Bureau, Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 107

AGRICULTURAL COOPERATIVES

1. PERIOD

October 16 to December 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATION

- 1) University graduates or professional school graduates
- 2) Those who are now engaged in the offices of cooperative institutions with more than three (3) years service
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Historical study for the advancement of the Japanese agricultural cooperative
- Relationship between the agricultural cooperative and its members (farmers)

5. FACILITIES AND INSTITUTIONS

-Institute for the Development of Agricultural Cooperation in Asia (IDACA)

6. REMARKS



## 2. LIVESTOCK





SERIAL NUMBER 15

POULTRY BREEDING

1. PERIOD

April 24 to October 3, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) University graduates
- 2) Those who have been engaging in poultry breeding activities
- 3) Between twenty-six (26) and forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the layers and broilers of following subjects:

- Breeding
- Feeding and management
- Hygiene
- Incubation

5. FACILITIES AND INSTITUTIONS

-Okazaki National Poultry Breeding Station, Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 18

ANIMAL HEALTH

1. PERIOD

May 1 to October 31, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) Veterinarians
- 2) Research workers/or officials for animal health
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the general aspects of examination, prevention and treatment of the following diseases:

- Bovine diseases and swine diseases
- Equine and avian diseases and other livestock diseases

5. FACILITIES AND INSTITUTIONS

National Institute of Animal Health, Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 19

ARTIFICIAL INSEMINATION FOR CATTLE

1. PERIOD

May 1 to October 31, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATION

- 1) University graduates with veterinarian's license
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- 1) Practical techniques and knowledge of artificial insemination
- 2) General aspect of livestock industry in Japan

5. FACILITIES AND INSTITUTIONS

--Fukushima National Livestock Breeding Station, Ministry of Agriculture and Forestry

6. REMARKS



### **3. FORESTRY**



SERIAL NUMBER 36

FORESTRY AND FOREST PRODUCTS RESEARCH

1. PERIOD

May 29 to November 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATION

- 1) *University graduates with more than four (4) years of experience in research*
- 2) *Those who are serving at research institutes or universities*
- 3) *Under forty (40) years of age*

4. DESCRIPTION OF TRAINING

Research on the following:

- Research methods of deviated land and forest hydrology
- Forest climates and windbreak forest
- Forest research by method of sample survey and drawing up of volume table and yield table
- Forest management planning and role of forestry in national economy and planning of forest development

5. FACILITIES AND INSTITUTIONS

-Forest Experiment Station, Forestry Agency, Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 84

AFFORESTATION TECHNIQUES AND ADMINISTRATION

1. PERIOD

September 11 to December 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Forestry college graduates with occupational experience of more than seven (7) years in the field of forestry administration
- 2) Those who are presently engaged in planning work in the government forestry institution
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, discussions and Visits on the following:

- Introduction of techniques and systems of forest planning, breeding, nursery practice, regeneration, tree tending, and watershed management in Japan
- Introduction of management and administration systems in Japanese national forests

5. FACILITIES AND INSTITUTIONS

-Forestry Agency, Ministry of Agriculture and Forestry

6. REMARKS



#### **4. FISHERY**



SERIAL NUMBER 9

COASTAL FISHERIES EXTENSION

1. PERIOD

*April 5, 1975 to February 28, 1976*

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATION

- 1) Senior high school graduates
- 2) Officials who are in charge of the guidance and extension activities in coastal fisheries extension, and have experience of more than three (3) years
- 3) Between twenty-two (22) and forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- 1) *Fishing gear and methods of coastal fisheries in Japan*
- 2) Handling, repairs and maintenance of small type marine diesel engines
- 3) Fisheries administration, economy and fisheries cooperatives

5. FACILITIES AND INSTITUTIONS

Kanagawa International Fisheries Training Centre

6. REMARKS

SERIAL NUMBER 20

MARINE FISHERIES RESEARCH (COURSE 1)

1. PERIOD  
May 1 to October 31, 1976
2. NUMBER OF PARTICIPANTS TO BE RECEIVED  
Nine (9)
3. QUALIFICATION
  - 1) University graduates (science) with more than four (4) years of experience in research
  - 2) Under forty (40) years of age
4. DESCRIPTION OF TRAINING  
Research works on the followings:
  - Marine resources on neritic and pelagic fishes
  - Population dynamics and statistics on diagnosis and control of fishery resources
  - Seaweeds and plankton culture
  - Utilization, processing and preservation
  - Water pollution
  - Radioactive contamination of marine environment
  - Oceano-physical analysis of mechanism of sea current changes
5. FACILITIES AND INSTITUTIONS  
-Tokai Regional Fisheries Research Laboratory, Fishery Agency, Ministry of Agriculture and Fishery
6. REMARKS

SERIAL NUMBER 20

MARINE FISHERIES RESEARCH (COURSE 2)

1. PERIOD

September 11, 1975 to March 14, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Two (2)

3. QUALIFICATION

- 1) University graduates (science) with more than four (4) years of experience in research
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Research works on Fishing gear and methods

5. FACILITIES AND INSTITUTIONS

-Tokai Regional Fisheries Research Laboratory, Fisheries Agency, Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 29

OFFSHORE PROSPECTING

1. PERIOD

May 8 to December 22, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) University graduates as geophysicists, geologists, or engineers with more than three (3) years of practical experience
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Geology
- Geophysics
- Applied mathematics
- Geochemical methods for petroleum and mineral deposits
- Navigation and position-finding techniques
- Various research laboratories and manufacturing plants

5. FACILITIES AND INSTITUTIONS

- Tokyo International Centre
- Geological Survey of Japan

6. REMARKS

**SERIAL NUMBER 39**

**FISHERIES COOPERATIVES**

**1. PERIOD**

June 5 to November 30, 1975

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

Ten (10)

**3. QUALIFICATION**

- 1) University graduates
- 2) Those who have experiences of more than five (5) years in fisheries cooperatives works

**4. DESCRIPTION OF TRAINING**

Lectures, and Visits on the following:

- Theories, principles and management of fisheries cooperative
- Other related matters

**5. FACILITIES AND INSTITUTIONS**

-Kanagawa International Fisheries Training Center

**6. REMARKS**

SERIAL NUMBER 81

FRESH WATER FISH-CULTURE  
AND PROPAGATION RESEARCH

1. PERIOD

September 4 to December 23, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATION

- 1) University graduates
- 2) Technical experts who are now serving in research institute with more than three (3) years of practical experiences
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

--Information of the actual conditions and existing problems

- (1) in the freshwater fisheries industries, i.e. fish-culture, fish-propagation and others in Japan, and
- (2) in the research work activities on those industries

5. FACILITIES AND INSTITUTIONS

--Freshwater Fisheries Research Laboratory, Fisheries Agency, Ministry of Agriculture and Forestry

6. REMARKS



SERIAL NUMBER 118

PHYSICAL OCEANOGRAPHIC SURVEY

1. PERIOD

November, 1975 to March, 1976 (130 days)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) College graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- General aspect of physical oceanographic survey
- Physical properties of sea water
- Dynamics of ocean current
- Wind waves
- Calibration of thermometrical instruments
- Tidal current
- General aspect of marine pollution research
- Data processing of oceanographic observation
- Data processing of tidal current observation
- Practice of handling of instruments
- To oceanographic observation
- To tide and tidal current observation

5. FACILITIES AND INSTITUTIONS

- Hydrographic Department, Maritime Safety Agency
- Tokyo International Center

6. REMARKS



**5. CONSTRUCTION AND CIVIL ENGINEERING**



SERIAL NUMBER 25

HYDROGRAPHIC SURVEY

1. PERIOD

May 8 to November 8, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

-Modern theory, knowledge and techniques of hydrographic survey in Japan

5. FACILITIES AND INSTITUTIONS

-Hydrographic Department, Maritime Safety Agency

6. REMARKS

SERIAL NUMBER 46

SUBWAY ENGINEERING

1. PERIOD

June 26 to August 24, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATION

- 1) Civil engineering officials with more than seven (7) years' practical experience
- 2) Under forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- General aspect of subway
- Construction planning of subway
- Design of subway structure
- Construction method of subway
- Management of construction work
- Track and track work

5. FACILITIES AND INSTITUTIONS

- Railway Supervision Bureau, Ministry of Transport
- Teito Rapid Transit Authority
- Traffic Bureau, Osaka City

6. REMARKS

SERIAL NUMBER 48

**MAINTENANCE AND IMPROVEMENT ENGINEERING  
OF PERMANENT WAYS**

---

**1. PERIOD**

June 26 to September 24, 1975 (3 months)

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

Eight (8)

**3. QUALIFICATION**

- 1) University graduates with seven (7) years' experience
- 2) Under forty-five (45) years of age

**4. DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Construction of railway in Japan
- Maintenance of track and structure
- Japanese National Railways
- Japanese Railway Construction Corporation

**5. FACILITIES AND INSTITUTIONS**

-Japanese National Railways (JNR)

**6. REMARKS**

SERIAL NUMBER 49

SURVEYING AND MAPPING (MAP AND REPRODUCTION)

1. PERIOD

June 26 to December 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATION

- 1) Senior high school graduates
- 2) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits of 1975 on the following:

–General Course (Lectures)

- (1) Introduction to surveying, mapping and printing in Japan
- (2) Outline of Geodesy, photogrammetry and cadastral survey
- (3) System of map project, cartographic performance planning management
- (4) System of reproduction performance, planning and management

–Specialized Course (Photogrammetry)

- (1) Aerial photography
- (2) Air-photo signal
- (3) Field reconnaissance
- (4) Theory of orientation
- (5) Plotting
- (6) Cadastral survey
- (7) Application

–Field Survey

–Observation and Others

5. FACILITIES AND INSTITUTIONS

–Geographical Survey Institute, Ministry of Construction

6. REMARKS



SERIAL NUMBER 62

BRIDGE ENGINEERING

1. PERIOD

July 31 to October 20, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates or equivalent with occupational experience of more than three years
- 2) Under thirty-five (35) years of age
- 3) Presently engaged in highway construction

4. DESCRIPTION OF TRAINING

Lecture and Field Training

- 1) General information of roads and bridges in Japan
- 2) Theoretical lecture
- 3) Practical lecture
- 4) Special training (Select one subject mentioned follow Concrete Bridge, Steel Bridge, Substructure)

Observation Tours

- 1) Kansai, Chugoku and Kyushu Districts
- 2) Suburbs

5. FACILITIES AND INSTITUTIONS

—Ministry of Construction

6. REMARKS

SERIAL NUMBER 65

PORT AND HARBOUR ENGINEERING

1. PERIOD

August to December, 1975 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATION

- 1) University graduates or equivalent with occupational experience of more than 3 years
- 2) Under thirty-five (35) years of age
- 3) be presently engaged in engineering officials

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Outline of ports and harbours in Japan
- Hydraulic and geotechnique
- Planning of ports and harbours
- Design of ports and harbours
- Execution of port and harbour work
- Other matters

5. FACILITIES AND INSTITUTIONS

Bureau of Ports and Harbours, Ministry of Transport  
Port and Harbour Research Institute, Ministry of Transport  
Tokyo International Center (TIC)

6. REMARKS

SERIAL NUMBER 68

REFRACTORY MANUFACTURING TECHNOLOGY

1. PERIOD

August 21, 1975 to March 31, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) be university graduates or equivalents with occupational experience of over three (3) years
- 2) be at present engaged in this field at research institute, schools, or regarded industries
- 3) be between twenty six (26) and forty five (45) years of age

4. DESCRIPTION OF TRAINING

- 1) analysis of raw materials such as X-ray analysis DTA/TGA. Refractoriness test, chemical analysis and polarization microscope.
- 2) manufacture of one component bricks and testing of these like cold crushing strength, bulk density, apparant porosity, apparant specific gravity, water absorption and thermal expansion.
- 3) trial manufacture of refractories, using the raw materials studied in 1) and the various tests are made such as spalling test, hot compressive strength, reheat change, abrasion test, softening points under load, physical properties tests.
- 4) application of refractories, to construction of ceramic kilns.

5. FACILITIES AND INSTITUTIONS

—Government Industrial Research Institute, Nagoya Japan  
Technical Research Laboratory of Mino Yogyo Co., Ltd.  
Nagoya International Training Center, JICA

6. REMARKS

SERIAL NUMBER 70

RIVER ENGINEERING

1. PERIOD

August 28 to November 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Study tour on the following:

- Hydrology
- Planning and investigation (river, river improvement, dam and sabo)
- Administration
- River surveying
- Computer programming
- Flood forecast

5. FACILITIES AND INSTITUTIONS

-Ministry of Construction

6. REMARKS

SERIAL NUMBER 82

WATER POLLUTION CONTROL  
AND SEWAGE WORKS ENGINEERING

1. PERIOD

September 4 to December 13, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age
- 3) Senior technical officers

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Introduction of water pollution
- Present situation and administration of water pollution control and sewage works in Japan
- Planning on sewerage systems
- General principle of sewage purification and sludge disposal
- Design, construction, maintenance, and operation of sewage treatment plants
- Treatment of industrial waste water
- House connection and pre-treatment facilities for harmful waste water
- Sampling
- Standard test of water
- Calculation
- Visits to sewage treatment plants and sewer construction sites
- Visits to manufacturers of sewage treatment plants

5. FACILITIES AND INSTITUTIONS

- Ministry of Construction
- Japan Sewage Works Corporation

6. REMARKS

SERIAL NUMBER 86

SEISMOLOGY AND EARTHQUAKE ENGINEERING

1. PERIOD

September 11, 1975 to August 18, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40)

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

Both course

General seismology, Basic programming of computer, Fundamental mathematics

Seismology course

Seismological application of computer, Elastic waves, Applied mathematics, Elasticity, Station operations, Instrumentation, Magnitude and intensity, etc.

Crustal deformation, Crustal structure, Physical geology, Volcanology, Plate tectonics, Fracture and earthquakes, Seismic prospecting, etc.

Earthquake Engineering course

Earthquake resistant design of building structures

Earthquake resistant design of civil engineering structures

Soil mechanics and foundation engineering

5. FACILITIES AND INSTITUTIONS

International Institute of Seismology and Earthquake Engineering (I.I.S.E.E.)  
Building Research Institute, Ministry of Construction

6. REMARKS

**6. PUBLIC UTILITY**





SERIAL NUMBER 21

THERMAL-ELECTRIC POWER ENGINEERING

1. PERIOD

May 1 to July 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) Technical college graduates or ones with more than seven (7) years of practical experiences
- 2) Between thirty (30) and forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lecture and Visits on the Following:

- Planning, Designing, Construction, Operation and Maintenance of Steam Power Stations
- Steam Power Stations
- Transmission Line

5. FACILITIES AND INSTITUTIONS

- The Public Utilities Department, Agency of Natural Resources and Energy, Ministry of International Trade and Industry
- The Tokyo Electric Power Co., Ltd.

6. REMARKS

SERIAL NUMBER 22

HYDRO-ELECTRIC POWER ENGINEERING

1. PERIOD

May 1 to July 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Nine (9)

3. QUALIFICATION

- 1) Technical college graduates or ones with more than seven (7) years of practical experiences
- 2) Between thirty (30) and forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures and Visits on the Following:

- Planning, Designing, Construction, Operation and Maintenance of Dams and Hydro-electric Power Stations
- Hydro Power Stations
- Transmission Line

5. FACILITIES AND INSTITUTIONS

- The Public Utilities Department, Agency of Natural Resources and Energy, Ministry of International Trade and Industry
- The Electric Power Development Co., Ltd.

6. REMARKS

SERIAL NUMBER 35

WATER WORKS ENGINEERING

1. PERIOD

May 15 to August 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) University graduates
- 2) Between twenty-five (25) and forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- General problems and administration of water works, water resources, water pollution control, etc.
- Design criterion for water works facilities and others.

5. FACILITIES AND INSTITUTIONS

-Water Works Association

6. REMARKS

SERIAL NUMBER 50

GROUNDWATER RESOURCES DEVELOPMENT

1. PERIOD

June 26 to October 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates, and hydrogists, geologists or engineers with more than three (3) years practical experiences
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Groundwater exploration
  - (1) geophysical exploration
  - (2) photogeological exploration
- Well construction
- Well drilling and pumping test
- Groundwater utilization and management

5. FACILITIES AND INSTITUTIONS

-Geological Survey of Japan

6. REMARKS

SERIAL NUMBER 56

SOLID WASTE PROCESSING AND DISPOSAL ENGINEERING

1. PERIOD

July 3 to September 11, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) University graduates
- 2) Civil, sanitary or public health engineers

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Environmental pollution problems
- Waste processing and disposal administration and public cleaning service
- Solid waste processing and disposal systems and recycling
- Night soil treatment systems
- Vector control

5. FACILITIES AND INSTITUTIONS

- Tokyo International Center
- Ministry of Health and Welfare
- Japan Environmental Sanitation Center

6. REMARKS



## 7. MINING INDUSTRY





SERIAL NUMBER 16

FOUNDRY ENGINEERING

1. PERIOD

April 24 to December 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates or equivalents with practical experience of over two (2) years
- 2) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

– Foundry sands, mould properties and sand mixtures, moulding processes, foundry raw materials, fuels, melting furnaces, etc.

5. FACILITIES AND INSTITUTIONS

- 1) Government Industrial Research Institute, Nagoya
- 2) Industrial Research Institute, Aichi Prefecture
- 3) Metal Industries Institute, Mie Prefecture
- 4) Nagoya municipal Industrial Research Institute

6. REMARKS

SERIAL NUMBER 41

MINING ENGINEERING

1. PERIOD

June 5 to December 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

University or college graduates

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Knowledge and techniques of mining industry in Japan
- Mining, mineral dressing, smelting, etc.

5. FACILITIES AND INSTITUTIONS

- Japan Mining Industry Association
- Mitsubishi Metal Corporation
- Mitsui Mining and Smelting Company
- Sumitomo Metal Mining Company
- Nippon Mining Company
- Nittetsu Mining Company
- Dowa Mining Company

6. REMARKS

SERIAL NUMBER 76

## GEOHERMAL ENERGY

**1. PERIOD**

August 28 to November 15, 1975

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

Twelve (12)

**3. QUALIFICATION**

University graduate scientists or technologists in geology, geophysics, chemistry, electrical engineering, mechanical engineering, mining, or similar subjects

**4. DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Geothermal geology
- Volcanology
- Structural geology
- Geochemistry
- Isotope geochemistry
- Geothermal hydrology
- Geophysical exploration
- Reservoir physics
- Geothermal measurement
- Heat and thermodynamics
- Power plant engineering
- Wellhead equipment and their characteristics
- Drillhole engineering
- Corrosion fundamentals
- Geothermal energy
- Geophysics

**5. FACILITIES AND INSTITUTIONS**

- Faculty of Engineering, the Kyushu University
- Kuju Geothermal Research Laboratory, the Kyushu University
- Otake Geothermal Power Plant and Otake Geothermal Survey

**6. REMARKS**

SERIAL NUMBER 94

WELDING ENGINEERING

**1. PERIOD**

September 25, 1975 to March 31, 1976

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

Ten (10)

**3. QUALIFICATION**

- 1) University graduates or equivalent with practical experience of more than three (3) years
- 2) Between twenty-six (26) and thirty-five (35) years of age

**4. DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Introduction of classified welding processes
- Electrical arc welding
- Welding machinery and equipment and their application
- Aluminum alloys welding processes
- Welding theory, design, and inspection methods

**5. FACILITIES AND INSTITUTIONS**

- Tokai Section of the Japan Welding Society
- The Faculty of Engineering, Nagoya University

**6. REMARKS**

SERIAL NUMBER 120

CERAMIC ENGINEERING

1. **PERIOD**

November 27, 1975 to October 31, 1976

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

Ten (10)

3. **QUALIFICATION**

Applicants are to:

- 1) be university graduates or the equivalent
- 2) be experienced ceramic teachers, instructors or researchers who are in actual teaching service
- 3) be over 26 years old

4. **DESCRIPTION OF TRAINING**

This course covers wide area of ceramic fields with a variety of lectures concerning raw materials, forming, analysis, quality control and of factory-visits and field trips.

Practical training is carried out on group training and individual training basis. The former takes care of raw material preparation and its analysis measurement of physical and chemical preparation.

The latter is held in the several public and national ceramic research institutes and participants (one or two) have research works-in which they can want to specialize more.

5. **FACILITIES AND INSTITUTIONS**

Government Industrial Research Institute, Nagoya  
Aichi-prefectural Tokoname Ceramic Engineering Center  
Aichi-prefectural Seto Ceramic Engineering Center  
Gifu-prefectural Ceramic Research Center  
Mie Ceramic Research Center  
Tajimi-city Ceramic Design Research Center  
Nagoya International Training Center

6. **REMARKS**



## 8. HEAVY INDUSTRY





SERIAL NUMBER 2

METAL FINISHING ENGINEERING

1. PERIOD

April 3 to October 5, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) University graduates or equivalents with occupational experience of more than three (3) years
- 2) Under forty (40) years of age.

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Electroplating of Cu, Ni, Cr and Zn on metal bases
- Aluminum anodizing
- Effluent control technology and metal finishing equipment and etc. with background of manufacturing industries of Japan

5. FACILITIES AND INSTITUTIONS

- 1) Government Industrial Research Institute, Nagoya
- 2) Industrial Research Institute, Aichi Prefecture
- 3) Nagoya Municipal Industrial Research Institute

6. REMARKS

SERIAL NUMBER 6

RICE PRODUCTION MECHNIZATION

1. PERIOD

April 3 to December 22, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) *University graduates with the occupational experience of more than three (3) years*
- 2) Presently engaged in extension service or training officers
- 3) Between twenty-five (25) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, experiment, Practical Training and Visits on the following:

- Scientific knowledge and technologies on rice production mechanization, and its utilization and systematic mechanized farming in the extension field

5. FACILITIES AND INSTITUTIONS

--Uchihara International Agricultural Centre

6. REMARKS

SERIAL NUMBER 27

CONSTRUCTION MACHINERY

1. PERIOD

May 8 to August 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Development and present situation of mechanized construction work and construction machinery
- Planning of mechanized construction work and use of construction machinery
- Function, structure and performance of construction machinery
- Maintenance, repair, inspection, trouble shooting and field service of construction machinery
- Planning, layout, parts control, tool control and administration of workshop
- Construction sites and related manufacturing companies

5. FACILITIES AND INSTITUTIONS

- Ministry of Construction
- Japan Construction Mechanization Association

6. REMARKS

SERIAL NUMBER 37

AGRICULTURAL MACHINERY MAINTENANCE  
AND REPAIRS

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1. PERIOD

May 29 to November 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) College graduates with more than three (3) years' experience in the field of technical management and instruction at the organizations for maintenance and repair of agricultural machinery and its instruction
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:  
-Maintenance and repairs of agricultural machinery  
-Fundamentals of mechanical engineering

5. FACILITIES AND INSTITUTIONS

--Japan Agricultural Machinery Manufacturers Association

6. REMARKS

SERIAL NUMBER 51

RAILWAY ROLLING STOCK ENGINEERING

1. PERIOD

July 3 to October 13, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) University graduate with more than seven (7) years' experience
- 2) Under forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Railways and rolling stock in Japan
- Planning and administration of rolling stock
- Design and specification of rolling stock
- Procurement and inspection of rolling stock
- Rolling stock manufacturing engineering

5. FACILITIES AND INSTITUTIONS

- Japanese National Railways (JNR)
- Japan Rolling Stock Exporters' Association

6. REMARKS

SERIAL NUMBER 74

RICE PROCESSING

**1. PERIOD**

August 28 to November 30, 1975

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

Ten (10)

**3. QUALIFICATION**

- 1) Senior technical administrators in the public organizations engaging in the planning and promoting of all post harvesting processes of rice
- 2) Under forty-five (45) years of age

**4. DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Method and facilities of drying, husking, test and storage of rice
- Method and facilities of rice processing, grading, weighing and handling in rice mill and its principle, function, practice, etc.

**5. FACILITIES AND INSTITUTIONS**

-Japan Rice Millers Association

**6. REMARKS**

SERIAL NUMBER 77

ELECTRONICS

1. PERIOD

September 4 to December 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATION

- 1) Junior engineers
- 2) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Analysis techniques of materials by X-ray diffraction
- Applications of laser light
- Logical designs of digital equipment
- Discharge deterioration test of plastic film materials and measurement of discharge amount
- Thin film technology
- Applications of ultrasonics power

5. FACILITIES AND INSTITUTIONS

- Osaka International Training Centre
- Osaka Prefegural Industrial Research Institute

6. REMARKS

SERIAL NUMBER 90

COMPUTER TECHNOLOGY

1. PERIOD

September 25 to December 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

Persons with fundamental knowledge of FORTRAN programming having an intention to learn fundamental COBOL programming and advanced FORTRAN programming and practice

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- COBOL; fundamentals of COBOL, COBOL programming, design of printformat, page and line control, data-check and debugging, update of file table-search, sort and merge, evaluation
- FORTRAN; Fundamentals of FORTRAN, arithmetic-statement function, library functions, arrays, metrics, function subprogram, application, advanced application

5. FACILITIES AND INSTITUTIONS

- Tokyo International Center
- The Asian Electronics Union

6. REMARKS



SERIAL NUMBER 103

AERODROME (SEMINAR)

1. PERIOD

October to November, 1975 (5 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) *University graduates or equivalent and have occupational experience in the field of civil aviation of minimum 3 years but not more than 10 years*
- 2) *be currently employed by their government or by public authorities for civil aviation*

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Economic cooperation and technical assistance of Japan by CAB
- Airport planning
- Airport administration
- Airport development
- Airport design and construction
- Present status of air transportation in his country
- Any other subject related to civil aviation of his country

5. FACILITIES AND INSTITUTIONS

Civil Aviation Bureau, Ministry of Transport  
Japan Airport Consultants Co., Inc.  
Tokyo International Centre

6. REMARKS

SERIAL NUMBER 109

SHIPBUILDING AND REPAIR

1. PERIOD

October 16, 1975 to July 30, 1977 (20 months)

- 1) Lecture Course 10 months      2) Practice Course 10 months

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) College graduates in engineering (shipbuilding)  
2) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

- 1) Lectures      2) Practical Training and Visits on the following:
- 1) Applied ship dynamics, ship calculation  
Basic design, hull design, outfitting design  
Drawing, moulding plan  
Hull construction process, welding process, outfitting process  
Marine engine, marine electricity  
Production management
- 2) Practices at large, medium, and small shipyards  
Shipbuilding process  
Outfitting process  
Test and sea-trial  
To various shipyards

5. FACILITIES AND INSTITUTIONS

Ship Bureau, Ministry of Transport  
Tokyo International Centre  
Overseas Shipbuilding Cooperation Center

6. REMARKS

Be obliged to take both courses continuously

SERIAL NUMBER 110

CITY PLANNING

1. PERIOD

October 16 to November 29, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Urban problems in Japan
- Regional planning system in Japan
- City planning system in Japan
- Land use planning & building regulations
- Planning & development of transportation facilities
- Planning & development of parks & greens
- Planning & development of sewage system
- Urban development projects
- Urban renewal
- Development of new residential cities
- Housing plan

5. FACILITIES AND INSTITUTIONS

- Ministry of Construction
- Tokyo International Centre

6. REMARKS

- Prepare the maps of your country and its capital
- Give us country reports concerning with city planning and its problems, etc. of your country prior to the commencement of training

SERIAL NUMBER 123

METAL WORKS & ENGINEERING

**1. PERIOD**

January 8 to December 25, 1976

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

Ten (10)

**3. QUALIFICATION**

- 1) University graduates or equivalent with occupational experience of more than two (2) years who are at present engaged in this field at research institute, vocational institute or related industry
- 2) Under twenty-seven (27) years of age

**4. DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Metallic materials and practical metallurgy
- Heat treatment technology
- Foundry technology
- Welding technology
- Mechanical engineering technology
- Plastic forming technology
- Metal finishing technology
- Industrial management

**5. FACILITIES AND INSTITUTIONS**

- Government Industrial Research Institute, Nagoya
- Industrial Research Institute, Aichi Prefecture
- Nagoya Municipal Industrial Research Institute

This training course is providing the general concept of metal works and engineering rather than the training on specialized item of technology

**6. REMARKS**

SERIAL NUMBER 128

RADIOGRAPHY

1. PERIOD

January 8 to May 30, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATION

- 1) Senior/high school graduates
- 2) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Fundamental science and engineering for radiography
- Introduction to radiography
- X-ray diagnostics
- Practice in radiographic techniques
- To related institutes and manufacturers in Kansai, Kanto, and Kyushu districts, etc.

5. FACILITIES AND INSTITUTIONS

- College of Biomedical Technology, Osaka University
- Hospital attached to the medical faculty of Osaka University

6. REMARKS



## 9. CHEMICAL INDUSTRY





SERIAL NUMBER 1

CERAMIC GLAZE AND DECORATION

1. PERIOD

April 3 to October 5, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seven (7)

3. QUALIFICATION

Applicants are to:

- 1) be university graduates or equivalents, who are engaged in this field,
- 2) be over 26 years old,

4. DESCRIPTION OF TRAINING

Ceramic glazes are studied by way of calculation weighing mixing, applying to testpieces, firing, arranging and evaluation. The kinds are low, medium, and high melting glazes using glaze materials such as feldspar, kaoline, quartz, metal oxides, frits and stains. Testpieces are made of earthenwares, stonewares, porcelains and so on.

Ceramic decorating techniques like modern screen process, overglaze underglaze decoration, and traditional Japanese methods are also learned and studied.

5. FACILITIES AND INSTITUTIONS

- Tajimi-City Ceramic Design Research Centre
- Government Industrial Research Institute, Nagoya Japan
- Nagoya International Training Center, JICA

6. REMARKS

SERIAL NUMBER 102

PLASTICS

1. PERIOD

October 9, 1975 to March 20, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) University/college graduates
- 2) Between twenty-five (25) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- General introduction to plastics
- Method of manufacturing of some polymers
- Compression molding, transfer molding and injection molding of thermosets
- Extrusion and blow molding
- Injection molding of thermoplastics
- Laminating
- Sheet forming
- Foam manufacturing process
- Compounding of polyvinyl chloride
- Paste technique and powder technique
- Vacuum metallizing, chemical plating, welding, casting, adhesives
- Testing, identification and analysis of plastics
- Mold design
- To plants in and around Osaka
- To plants in and around Kyushu

5. FACILITIES AND INSTITUTIONS

- Osaka Municipal Technical Research Institute
- Osaka International Training Centre

6. REMARKS

**10. LIGHT INDUSTRY**



SERIAL NUMBER 12

COIN AND DECORATION MANUFACTURE,  
METAL ANALYSIS AND PRECIOUS METAL REFINING

1. PERIOD

April 10 to July 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATION

- 1) Graduates from technical high schools
- 2) Under thirty (30) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Coin manufacture
- Decoration and engraving
- Metal analysis and precious metal refining

5. FACILITIES AND INSTITUTIONS

-Mint Bureau, Ministry of Finance

6. REMARKS

SERIAL NUMBER 17

WEAVING ENGINEERING

1. PERIOD

May 1 to December 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age but not less than twenty-six (26) years old

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Technical problems of weaving industries in Japan
- Textile materials
- Textile chemistry and physics
- New trend of textile machinery in Japan
- Spinning process and machinery
- New trend of spinning process
- Twisting process and machinery, etc.
- Practice, on weaving machinery, dobby and jacquard machines, chemical and physical testing of fabric, textile mill management, etc.
- To Toyoda Automatic Loom Works Ltd., Howa Machinery Ltd. Enshu Ltd. etc.

5. FACILITIES AND INSTITUTIONS

- Nagoya Institute of Technology
- Midawa Textile Technical Center
- Owari Textile Technical Center
- Industrial Technical Center

6. REMARKS

SERIAL NUMBER 59

TILE MANUFACTURING TECHNOLOGY

1. PERIOD

July 24, 1975 to March 31, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

Applicants are to:

- 1) be university graduates or equivalents with occupational experience of over three (3) years,
- 2) be at present engaged in this field at research institute, vocational institute or regarded industries.

4. DESCRIPTION OF TRAINING

On-the-job-training in the tile factory is carried out so that the practical tile manufacturing technologies are well learned such as applicability test of raw materials to tile bodies, processing machines operation, forming machine operation, glaze preparation, firing technique, packing, inspection, quality control and so on.

5. FACILITIES AND INSTITUTIONS

- Government Industrial Institute, Nagoya Japan
- Ina Seito Company
- Nagoya International Training Centre, Japan International Cooperation Agency

6. REMARKS

SERIAL NUMBER 63

OFFSET PRINTING

1. PERIOD

July 31 to November 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) University graduates
- 2) Between twenty-five (25) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Introduction to photography
- Introduction to lithography
- Introduction to tone reproduction
- Color reproduction and screening
- Electronic color scanning
- Stripping and correction
- Offset lithographic plate making
- Direct screening color separation
- Technical visit

5. FACILITIES AND INSTITUTIONS

--Japan Association of Graphic Arts Technology

6. REMARKS



SERIAL NUMBER 129

LEATHER MANUFACTURING

1. PERIOD

January 8 to August 7, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATION

- 1) University graduates
- 2) Between twentyfive (25) and thirtyfive (35) years of age
- 3) More than three (3) years of experience on leather field

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Chemical and physical characteristics of hides and skins
- Beamhouse operation
- Mechanism and practice of chrome tannage, vegetable tannage, leather dyeing, and fatliquoring
- Soft leather making
- Various finishing methods of leather
- Controlling of leather quality
- Utilization of leather by products

5. FACILITIES AND INSTITUTIONS

- Hyogo International Center
- The Leather Research Laboratory of Hyogo Prefecture
- Agricultural Department, Kobe University

6. REMARKS

SERIAL NUMBER 122

WOOD INDUSTRIAL MACHINERY

1. PERIOD

January 8 to March 31, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) University graduates or equivalent with occupational experience of more than 5 years who are at present engaged in wood industrial machinery work
- 2) Over thirty (30) years of age

4. DESCRIPTION OF TRAINING

*Lectures, Practical Training and Visits on the following:*

--Recent techniques and knowledge on wood industrial machinery in general-- from primary processing, secondary processing up to final finishing

5. FACILITIES AND INSTITUTIONS

--Industrial Research Institute, Aichi Prefecture  
Nagoya University  
Central Japan Wood Industrial Machinery Association

6. REMARKS

## 11. TRANSPORT AND TRAFFIC



SERIAL NUMBER 4

**TOLL TELEPHONE NETWORK PLANNING  
AND DESIGNING**

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**1. PERIOD**

April 3 to July 13, 1975

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

Fifteen (15)

**3. QUALIFICATION**

- 1) University graduates
- 2) Under forty (40) years of age

**4. DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Fundamental telephone network design
- Outline of various systems
- Toll telephone network planning

**5. FACILITIES AND INSTITUTIONS**

Nippon Telegraph and Telephone Public Corporation (NTT)

**6. REMARKS**

SERIAL NUMBER 32

PORTS AND HARBOURS (SEMINAR)

1. PERIOD

May to July, 1976 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twenty (20)

3. QUALIFICATION

- 1) University graduates or equivalent with occupational experience of more than 8 years
- 2) Under fifty (50) years of age
- 3) be presently engaged in senior administrative works

4. DESCRIPTION OF TRAINING

Lectures, discussions and Visits on the following:

- Outline of ports and harbours in Japan
- Administration on ports and harbours
- Technical aspect for port development
- Port planning in general
- Port management and operation
- Cargo handling operation and its recent tendency others

5. FACILITIES AND INSTITUTIONS

Bureau of Ports and Harbours, Ministry of Transport  
Tokyo International Center

6. REMARKS

SERIAL NUMBER 43

TOURISM (SEMINAR) A

1. PERIOD

*June 5 to July 25, 1975*

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates or equivalent with occupational experience of more than three (3) years
- 2) *Those who are presently engaged in tourism administration*
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, discussions and Visits on the following:

- Introduction to int'l tourism*
- Tourist administration
- Tourist promotion activities
- Tourism development method*
- Tourist industry business
- Tourist services, etc.
- Tourist facilities*
- Tourist attractions

5. FACILITIES AND INSTITUTIONS

- Department of Tourism, Ministry of Transport
- Japan Rational Tourist Organization
- Tokyo International Center

6. REMARKS

- 1) For Asia and Pacific countries
- 2) Tourism (Seminar) was Tourism Training Course until 1974

SERIAL NUMBER 64

MARINE ENVIRONMENT

1. PERIOD

July 31 to September 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates, and scientists or technicians
- 2) Not older than thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Interaction of marine environment and organism
- Introduction to fisheries biology
- Taxonomy of planktons in the sea
- Plankton culture techniques
- Distribution of plankton in the sea
- Production--1) Nonliving organic matter as food, 2) Primary production, 3) Secondary production,
- 4) Relationship between phytoplankton and zooplankton

5. FACILITIES AND INSTITUTIONS

Faculty of Fisheries, Hokkaido University

6. REMARKS



SERIAL NUMBER 72

NAVIGATION AIDS

1. PERIOD

August 28 to October 31, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) High school graduates
- 2) Administrators in the field of navigation aids service
- 3) Under forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Theory and treatment of navigation aids (lighted beacon, buoys, radio beacons, etc.)
- Treatment of automated control system, way activated generators and air wet battery

5. FACILITIES AND INSTITUTIONS

- Maritime Safety Agency
- Tokyo International Center

6. REMARKS

SERIAL NUMBER 93

METEOROLOGY

1. PERIOD

September, 1975 to January, 1976 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATION

University graduates or more than three (3) years' experience in meteorology service

4. DESCRIPTION OF TRAINING

To be decided later

5. FACILITIES AND INSTITUTIONS

-Japan Meteorological Agency  
-Meteorological Research Institute of JMA  
-Meteorological College of JMA

6. REMARKS

SERIAL NUMBER 97

TRADE PROMOTION A (SEMINAR)

1. PERIOD

Two months during October, November, December, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12) from the Central and South America

3. QUALIFICATION

- 1) University graduates
- 2) Under forty-five (45) years of age

with at least 5 years' practical experiences at trade department of government organization

4. DESCRIPTION OF TRAINING

*Lectures, discussions and Visits on the following:*

- Trade promotion
- Japanese economy and trade
- International economy
- Trade business practice
- World trade (Japan) and Central and South America
- To Ministry of International Trade and Industry
- To Japan External Trade Organization
- To a Japanese trading company

5. FACILITIES AND INSTITUTIONS

-The World Trade Center of Japan, Inc. (WTC)

6. REMARKS

SERIAL NUMBER 103

AERODROME (SEMINAR)

1. PERIOD

October 9 to November 14, 1976 (5 Weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates or equivalent and have occupational experience in the field of civil aviation of minimum 3 years but not more than 10 years
- 2) be currently employed by their government or by public authorities for civil aviation

4. DESCRIPTION OF TRAINING

Lectures, Discussions and Visits on the following:

- Economic cooperation and technical assistance of Japan by CAB
- Airport planning
- Airport administration
- Airport development
- Airport design and construction*
- Present status of air transportation in his country
- Any other subjects related to civil aviation of his country

5. FACILITIES AND INSTITUTIONS

- Japan International Cooperation Agency
- Japan Airport Consultants Co., Inc.
- Tokyo International Center

6. REMARKS

SERIAL NUMBER 108

RAILWAY ELECTRIFICATION AND HIGH SPEED OPERATION

1. **PERIOD**

October 16 to December 7, 1975

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

Eight (8)

3. **QUALIFICATION**

- 1) University graduates with seven (7) years' experience
- 2) Under forty (45) years of age

4. **DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Planning of railway electrification
- Facilities and equipment for railway electrification
- Measures for train's speed-up and permanent way
- Planning of train operation
- Economic effects by railway electrification

5. **FACILITIES AND INSTITUTIONS**

- Japanese National Railway (JNR)
- Railway Electrification Association

6. **REMARKS**

SERIAL NUMBER 112

HIGHWAY CONSTRUCTION (SEMINAR)

1. PERIOD

October 23 to November 28, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Technical institute graduates
- 2) Engineers with more than 5 years' experience
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Road administration, road situation, toll road systems in Japan
- Urban expressway, highway planning, Asian highway, geometric design of highways, highway economics
- Round table discussion on a selected subject

5. FACILITIES AND INSTITUTIONS

- Ministry of Construction
- Chiba Branch of Public Works Research Institute, Ministry of Construction

6. REMARKS

SERIAL NUMBER 113

TOURISM (SEMINAR) B

1. PERIOD

October to December, 1975 (50 days)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates or equivalent with occupational experience of more than 3 years
- 2) Those who are presently engaged in tourism administration
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Tourist administration
- Tourist promotion activities
- Tourism development method
- Tourist industry business
- Tourist services
- Tourist facilities
- Tourist attractions

5. FACILITIES AND INSTITUTIONS

- Department of Tourism, Ministry of Transport
- Japan National Tourist Organization
- Tokyo International Center

6. REMARKS

- 1) For the countries except Asia and Pacific Area
- 2) Tourism (Seminar) was Tourism Training Course until 1974

SERIAL NUMBER 114

ADMINISTRATION FOR SEAMEN'S EDUCATION

1. PERIOD

November 6 to December 13, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) University graduates or equivalent with occupational experience of more than 3 years
- 2) Between twenty-five (25) and forty-five (45) years of age
- 3) be presently engaged in the field of administration for seamen's education in the governments

4. DESCRIPTION OF TRAINING

Lectures, and Visits on the following:

- Administration for seamen (general)
- Seamen's education and training
- Qualification for ship officer
- Labour standards of seamen
- Mariners' insurance system
- School for seamen's training
- Mercantile marine college
- Marine technical college
- Tokyo University of Mercantile Marine
- Institute for Sea Training (the training ship)

5. FACILITIES AND INSTITUTIONS

Bureau of Seafarers, Ministry of Transport  
Tokyo International Center

6. REMARKS



SERIAL NUMBER 132

RAILWAY SIGNAL ENGINEERING

1. PERIOD

February 12 to June 15, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) Railway signal engineering officials with more than seven (7) years practical experience
- 2) Under forty (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Outline of railway signal
- Types and Functions of railway signal used in Japan
- Control and administration of signal facilities
- Signal safety facilities
- Communication for train operation
- Control, inspection and maintenance of signal facilities

5. FACILITIES AND INSTITUTIONS

- Japanese National Railways (JNR)
- Japan Association of Signal Industries (JASI)

6. REMARKS

SERIAL NUMBER 134

SEMINAR ON ENVIRONMENTAL ADMINISTRATION

**1. PERIOD**

February 12 to March 15, 1976

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

Eight (8)

**3. QUALIFICATION**

Senior technical and/or administrative officials directly responsible for environmental administration, either central or local, in governmental organizations

**4. DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Environmental issues in Japan
- Historical background of Japan's environmental administration
- Legislation for pollution control
- Governmental organizations for protection of the environment
- Formulation of pollution control programs
- Enforcement standards and regulations
- Surveillance and monitoring system
- Environmental impact assessment in regional development planning
- Research activities in the field of environmental science and technology
- Relief measures for the victims of pollution
- Pollution control measures taken by private industry
- Conservation of natural environment
- Public concern and citizen movement

**5. FACILITIES AND INSTITUTIONS**

-Environment Agency

**6. REMARKS**

**12. POSTS · TELECOMMUNICATIONS · BROADCASTING**



SERIAL NUMBER 23

TELEVISION BROADCASTING MANAGEMENT

1. PERIOD

August, 1975 (1 month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) Higher than division-chief and university graduates
- 2) Between thirty (30) and forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Present situation of broadcasting
- Problems in broadcasting*
- Management of NHK and commercial broadcasters
- Observation of broadcasting facilities and manufacturers, etc.

5. FACILITIES AND INSTITUTIONS

Radio Regulatory Bureau, Ministry of Posts and Telecommunications

6. REMARKS

This course is for television broadcasting management, so those who wish to study programme production or engineering should apply for "Educational Television Programme Course" or "Television Engineering Course".

SERIAL NUMBER 31

**HIGH FREQUENCY RADIO ENGINEERING  
FOR FIXED TELEGRAPH AND TELEPHONE SERVICES**

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**1. PERIOD**

May 15 to July 31, 1975

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

Ten (10)

**3. QUALIFICATION**

- 1) To be nominated by their government,
- 2) to be university graduates specialized in telecommunications and/or in electrical engineering or equivalent, and
- 3) to have a good command of spoken and written English.

**4. DESCRIPTION OF TRAINING**

- 1) Lectures on subjects concerning HF international communications, such as
  - International HF communication system
  - Design of HF communication circuit
  - HF communication equipment (Antenna, transmitter, receiver, remotecontrol system, central office equipment etc.)
  - Maintenance management and circuit administration
- 2) Practical training  
At KDD HF transmitting and receiving stations (in the Tokyo and Osaka areas)
- 3) Visits  
To KDD installations and other places

**5. FACILITIES AND INSTITUTIONS**

--Kokusai Denshin Denwa Co., Ltd. (KDD)

**6. REMARKS**

The application form should reach the Embassy of Japan before the time limit specified in the "Information on Group Training Course" which will be sent later on separately.

SERIAL NUMBER 33

CARRIER TELEPHONY ENGINEERING

1. PERIOD

May 15 to August 24, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- NTT, general aspect of carrier transmission technique, microwave communications system, practical considerations on cable transmission, transmission circuit, fundamental telephone network planning, transmission standard, transmission facility planning, plant design, clerical work and field work for construction and installation, maintenance control, maintenance work at carrier station
- PCM-24 system, level setting of CP-12 MTr system, various measurement of CP-12 MTr line amplifier, carrier path test, telephone circuit measurement, noise measurement by noise loading method, level setting of T-12 SR system, microwave system

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 47

TELEPHONE OUTSIDE PLANT ENGINEERING

1. PERIOD

June 26 to October 5, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Telephone system plan
- Outline of telephone outside plant work
- Office establishment plan
- Fundamental telephone network plan
- Transmission plan
- Engineering economy
- Subscriber underground cable design

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS



SERIAL NUMBER 52

EDUCATIONAL TELEVISION PROGRAMME

1. PERIOD

July to September, 1975 (3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates
- 2) Those who are engaged at broadcasting corporation as programme directors in the field of TV programme production
- 3) Those who are under thirty (30) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Plans and composition of educational TV programme
- Practice on educational TV programme production
- Special effects for educational TV programme production, TV arts etc.
- Observation of actual educational TV programme production
- Observation of local educational TV programme production

5. FACILITIES AND INSTITUTIONS

NIIK Central Training Institute

6. REMARKS

This is basic course.

SERIAL NUMBER 53

TELEVISION ENGINEERING

1. PERIOD

July to October, 1975 (4 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

University graduates or Those who have the equivalent technical knowledge in electronic engineering

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Electron tubes, color theory, telecine, VTR, transmitter, studio work, outside broadcasting, new broadcast techniques, etc.
- NHK Broadcasting Center, Tokyo Tower, NHK local stations, NHK Technical Research Laboratories, commercial broadcasters and manufacturers, etc.

5. FACILITIES AND INSTITUTIONS

Radio Regulatory Bureau, Ministry of Posts and Telecommunications.  
NHK Central Training Institute and other NHK facilities

6. REMARKS

This is basic course.

SERIAL NUMBER 54

RADIO FREQUENCY MONITORING

1. PERIOD

July 3 to September 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) University graduates
- 2) Those who have practical experiences more than one (1) year in the field of radio frequency monitoring service or those who would be engaged in the service within one (1) year

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Radio administration in Japan
- Radio monitoring system in Japan
- Statistical work
- Frequency spectrum recording equipment

5. FACILITIES AND INSTITUTIONS

Radio Regulatory Bureau, Ministry of Posts and Telecommunications

6. REMARKS

SERIAL NUMBER 60

RADIO BROADCASTING ENGINEERING

1. PERIOD

August to September, 1975 (about 5 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

University graduates

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Outline of broadcasting administration
- Method of station planning
- Technical standard of facilities
- Monitoring of broadcasting stations
- Transmission system
- Tube circuit
- Radio propagation

5. FACILITIES AND INSTITUTIONS

Radio Regulatory Bureau, Ministry of Posts and Telecommunications NIK Central Training Institute

6. REMARKS

SERIAL NUMBER 61

ELECTRIC POWER DISTRIBUTION ENGINEERING

1. PERIOD

July 31 to October 23, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) Technical college graduates
- 2) Between thirty (30) and forty-five (45) years of age
- 3) Electrical power engineers engaged at governmental institutions

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Transmission, transformation system and distribution lines
- Design, construction and maintenance of transmission lines
- Distribution facilities and work
- Indoor and outdoor wiring, etc.

5. FACILITIES AND INSTITUTIONS

6. REMARKS

SERIAL NUMBER 66

MICROWAVE COMMUNICATION ENGINEERING (I)

1. PERIOD

August 7 to November 16, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Microwave propagation
- FM TV transmission theory
- FM multiple telephone transmission theory
- Antenna and feeder for microwave communications
- Diversity reception
- Power plant for microwave communication
- Others

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 73

INTERNATIONAL TELEX COMMUNICATION ENGINEERING

1. PERIOD

August 28 to November 28, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirteen (13)

3. QUALIFICATION

- 1) To be nominated by their government,
- 2) to be university graduates specializing in telecommunications and/or in electrical engineering or equivalent,
- 3) to be currently engaged in, or have basic knowledge of international telex communication engineering work, and
- 4) to have a good command of spoken and written English.

4. DESCRIPTION OF TRAINING

- 1) Lectures on subjects concerning telex communication engineering, such as
  - Telegraph transmission systems (telegraph automation system automatic messages exchange, telegram booking automation system etc.)
  - Basic planning of telex system (general, trunking & call connection, signalling, ticketing, operation etc.)
  - Electronic telex exchange
  - Telegraphy equipment
  - Maintenance management
  - Maintenance and testing of telex network
  - Relevant techniques (basic of logic circuit, integrated circuits, electronic computer, data transmission system)
- 2) Practical training  
At KDD Tokyo International Circuit Control Office and KDD Osaka International Telegraph and Telephone Technical Operation Office
- 3) Visits  
To KDD installations, manufacturers' factories etc.

5. FACILITIES AND INSTITUTIONS

-Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

The application form should reach the Embassy of Japan before the time limit specified in the "Information on Group Training Course" which will be sent later on separately.

SERIAL NUMBER 80

SATELLITE COMMUNICATION ENGINEERING (II)

1. PERIOD

September 4 to December 4, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) To be nominated by their government,
- 2) to be university graduates specializing in telecommunications and/or in electrical engineering or equivalent,
- 3) to have fundamental knowledge of microwave engineering,
- 4) to have little or no experience in INTELSAT satellite communication engineering work, but to be expected to engage in this field of work in the future, and
- 5) to have a good command of spoken and written English

4. DESCRIPTION OF TRAINING

- 1) Lectures on subjects concerning INTELSAT satellite communications, such as
  - Review of satellite communications
  - Radio regulations and CCIR standards
  - System design
  - New and future systems
  - INTELSAT communication satellites
  - Earth station equipment
  - Operation and maintenance
  - INTELSAT as an organization
  - Planning of earth station construction
- 2) Practical training  
At KDD Ibaraki Satellite Communication Center
- 3) Visits  
To KDD Yamaguchi Satellite Communication Center and other places

5. FACILITIES AND INSTITUTIONS

-Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

The application form should reach the Embassy of Japan before the time limit specified in the "Information on Group Training Course" which will be sent later on separately.



SERIAL NUMBER 87

MICROWAVE COMMUNICATION ENGINEERING (II)

1. PERIOD

September 18 to December 28, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Microwave propagation
- FM TV transmission theory
- FM multiple telephone transmission theory
- Antenna and feeder for microwave communications
- Diversity reception
- Power plant for microwave communication
- Others

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 116

TELEPHONE SWITCHING ENGINEERING COURSE

1. PERIOD

November 6, 1975 to February 8, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Basic traffic theory and planning techniques for switched telephone networks
- Crossbar switch features and practical studies on C-400 crossbar system
- Plant design, construction and maintenance work for the C-400 system
- Outlines of electronic switching systems and practical study of the D-10 electronic switching system.

5. FACILITIES AND INSTITUTIONS

Nippon Telegraph and Telephone Public Corporation (NTT)

6. REMARKS

SERIAL NUMBER 125

SATELLITE COMMUNICATION ENGINEERING (I)

1. PERIOD

January 8 to March 26, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) To be nominated by their government,
- 2) to be university graduates specializing in telecommunications and/or in electrical engineering or equivalent,
- 3) to have fundamental knowledge of microwave engineering,
- 4) to have little or no experience in INTELSAT satellite communication engineering work, but to be expected to engage in this field of work in the future, and
- 5) to have a good command of spoken and written English.

4. DESCRIPTION OF TRAINING

- 1) Lectures on subjects concerning INTELSAT satellite communications, such as
  - Review of satellite communications
  - Radio regulations and CCIR standards
  - System design
  - New and future systems
  - INTELSAT communication satellites
  - Earth station equipment
  - Operation and maintenance
  - INTELSAT as an organization
  - Planning of earth station construction
- 2) Practical training  
At KDD Yamaguchi Satellite Communication Center
- 3) Visits  
To KDD Ibaraki Satellite Communication Center and other places

5. FACILITIES AND INSTITUTIONS

-Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

The application form should reach the Embassy of Japan before the time limit specified in the "Information on Group Training Course" which will be sent later on separately.

SERIAL NUMBER 126

INTERNATIONAL TELEGRAPH AND TELEPHONE TRAFFIC

1. PERIOD

January 8 to March 27, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) To be nominated by their government,
- 2) to be university graduates or equivalent with occupational experience of more than 5 years in the field of international telecommunication traffic,
- 3) to be presently engaged in traffic forecast, circuit planning, tariff system or administration of international telegraph and telephone services, and
- 4) to have a good command of spoken and written English.

4. DESCRIPTION OF TRAINING

- 1) Lectures on subjects concerning international telecommunication traffic, such as
  - Introduction (international communication traffic and system in Japan, future services, international data communication service etc.)
  - Services and operation of telegraph, telex and telephone
  - Other services (leased channel, AUTOMEX, DATEL, etc.)
  - Telephone and telex traffic management
  - Traffic demand forecast
  - Circuit planning
  - Tariff system
  - Accounting procedures
  - ITU and INTELSAT
  - Telecommunication statistics
  - Personnel administration, wages etc.
- 2) Practical training  
At KDD Tokyo International Telegraph Office, Tokyo International Telephone Office and Osaka International Telegraph and Telephone Office.
- 3) Visits  
To KDD installations, manufacturers' factories etc.

5. FACILITIES AND INSTITUTIONS

-Kokusai Denshin Denwa Co., Ltd. (KDD)

6. REMARKS

The application form should reach the Embassy of Japan before the time limit specified in the "Information on Group Training Course" which will be sent later on separately.

SERIAL NUMBER 135

TELECOMMUNICATION DEVELOPMENT (SEMINAR)

1. PERIOD

March, 1976 (2 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

Directors or high-ranking officials responsible for management or administration of telecommunications in their governmental/operational organizations

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- The up-to-date situation and topics in the field of telecommunication in Japan
- Present situation and future of telecommunication development, domestic and abroad
- Problems of telecommunication development, home and abroad, particularly in participating countries
- To various related institutions and manufacturing plants

5. FACILITIES AND INSTITUTIONS

- The Ministry of Posts and Telecommunications
- Tokyo Prince Hotel

6. REMARKS



### **13. MEDICINE AND WELFARE**





SERIAL NUMBER 34

EARLY GASTRIC CANCER DETECTION

1. PERIOD

May 15 to June 14, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Medical college graduates or those from the medical department of a university, majoring in gastroenterology
- 2) Practically experienced for more than five (5) years in the diagnosis of cancer, gastritis, ulcer or polyp of stomach and its adjacent region in the field of X-ray, endoscopy, biopsy, pathology or surgery
- 3) Under forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Radiodiagnosis of early gastric cancer
- Endoscopic diagnosis of early gastric cancer
- Cytodiagnosis of early gastric cancer
- Pathological diagnosis of early gastric cancer
- Definition and classification of early gastric cancer
- Radiodiagnosis of protruding lesions of E.G.C.
- Endoscopic diagnosis of protruding lesions of E.G.C.
- Radiodiagnosis of Depressed lesions
- Endoscopic diagnosis of depressed lesions of E.G.C.
- Limitations and future problems of diagnosis of E.G.C. with X-rays and endoscope
- Biopsy of E.G.C. under direct vision
- Diagnosis of E.G.C. in mass survey
- History of the progress of E.G.C. in Japan
- Epidemiology of Gastric cancer
- Chemotherapy of gastric cancer
- New diagnostic methods with endoscopy and X-ray examination in digestive tract
- Studies and training of X-ray examinations of stomach and endoscopic
- Examination of stomach
- Biopsy and cytology of stomach cancer

5. FACILITIES AND INSTITUTIONS

- Juntendo University, National Cancer Center, etc.
- Cancer Institute Hospital University of Tokyo Branch
- Hospital, Tokyo Women's Medical College, Tokyo Medical College, etc.
- Medical Association for Early Gastric Cancer Detection

6. REMARKS

SERIAL NUMBER 40

TUBERCULOSIS CONTROL

1. PERIOD

June 5 to October 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Physicians engaged in national tuberculosis control programmes
- 2) Those who are engaged in pure clinical work are excluded
- 3) Under fifty (50) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Statistics on tuberculosis
- Epidemiology
- General concept of tuberculosis control
- Tuberculosis control programme
- World Health Organization and its role in tuberculosis control and research
- Various national tuberculosis programmes abroad

5. FACILITIES AND INSTITUTIONS

- Research Institute of Tuberculosis
- Japan Anti-Tuberculosis Association (JATA)

6. REMARKS

SERIAL NUMBER 42

MICROBIAL DISEASES

1. PERIOD

June 5, 1975 to March 25, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) Those who are engaged in researching or teaching in the field of microbiology or public health
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

--Knowledge and techniques in the field of microbiology, virology, parasitology in Japan and other related subjects

5. FACILITIES AND INSTITUTIONS

--Research Institute for Microbial Diseases

6. REMARKS

SERIAL NUMBER 67

MEDICAL AND BIOLOGICAL ASPECTS  
IN FAMILY PLANNING (SEMINAR)

1. PERIOD

August 10 to 31, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

*Fourteen (14)*

3. QUALIFICATION

Those who have medical, paramedical or other related professions, in charge of medical and biological aspects in family planning

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Maternal and child health and family planning
- Family planning and health centre
- Medical aspects
- Training of medical and paramedical personnel

5. FACILITIES AND INSTITUTIONS

- Japanese Organization for International Cooperation in Family Planning Inc. (JOICFP)*
- Tokyo International Center

6. REMARKS

SERIAL NUMBER 89

LABORATORY WORKS FOR TUBERCULOSIS CONTROL

1. PERIOD

September 25 to December 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

5 participants

3. QUALIFICATION

- 1) Qualified technicians experienced over two years of laboratory works in bacteriology,
- 2) Senior technicians with over five years of experience in laboratory works in tuberculosis bacteriology,
- 3) Doctors with over one year of experience in laboratory works in bacteriology

4. DESCRIPTION OF TRAINING

- Tuberculosis control programme
- Role of laboratory works in tuberculosis control programme*
- Present status and problems in the laboratory works in tuberculosis control programmes of participants' countries
- Laboratory techniques and methods for tuberculosis control
- Accuracy control of laboratory examinations
- Laboratory data control
- Training method of laboratory techniques
- Minimal requirement for laboratory
- Maintenance of laboratory and equipment
- Management of laboratory works
- Visits to laboratories and institutions

5. FACILITIES AND INSTITUTIONS

- The Research Institute of Tuberculosis
- Japan Anti-Tuberculosis Association

6. REMARKS

SERIAL NUMBER 71

TROPICAL EPIDEMIOLOGY

1. PERIOD

August 28, 1975 to March 15, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Six (6)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- General and specific epidemiology
- General Virology
- Tropical virology and infectious diseases
- Pathology
- Biostatistics
- Acclimatization

5. FACILITIES AND INSTITUTIONS

Kobe University, School of Medicine

6. REMARKS

SERIAL NUMBER 83

TUBERCULOSIS CONTROL  
(ADVANCED COURSE)

1. PERIOD

September 11 to 26, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) Physicians engaged in national tuberculosis control programme
- 2) Under fifty (50) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Statistics
- Epidemiology
- General concept of tuberculosis
- Preventive measures in the tuberculosis
- Diagnostic measures in the tuberculosis control
- Curative measures in the tuberculosis control
- Tuberculosis control programme
- The World Health Organization and its role in the tuberculosis control and research
- To various institutions and field working sites within Tokyo, and its outside as well

5. FACILITIES AND INSTITUTIONS

- The Research Institute of Tuberculosis
- Japan Anti-Tuberculosis Association (JATA)

6. REMARKS

SERIAL NUMBER 101

SERODIAGNOSIS OF SYPHILIS

1. PERIOD

October 9 to November 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATION

- 1) University graduates with more than five (5) years' experience
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Epidemiology
- Serology
- Microbiology of venereal diseases

5. FACILITIES AND INSTITUTIONS

-National Institute of Health

6. REMARKS



SERIAL NUMBER 105

LOGISTIC ASPECTS IN FAMILY PLANNING (SEMINAR)

1. PERIOD

October 15 to November 7, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Forteen (14)

3. QUALIFICATION

Officers in charge of logistics in family planning

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Family planning in Japan
- Family planning programme in relation to the logistics of each participating country
- How to supply contraceptives effectively to the target population
- Distribution channel of contraceptives
- Equipments most required
- Personnel
- To non-clinical distribution activities in rural areas, health centers, maternal & child health centres, etc.

5. FACILITIES AND INSTITUTIONS

- Tokyo International Centre
- Japanese Organization for International Cooperation in Family Planning Inc.

6. REMARKS

SERIAL NUMBER 117

CLINICAL ONCOLOGY

1. PERIOD

November 6, 1975 to March 30, 1976  
(Containing lecture of Japanese Conversation for one month)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (3)

3. QUALIFICATION

- 1) Licensed physicians
- 2) Under thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

1. Radiological diagnosis of Stomach Cancer
2. Endoscopic Diagnosis of Stomach Cancer
3. Diagnosis of Pulmonary Carcinoma
4. Anatomical Pathology and Cytology
5. Abdomina Surgery
6. Thoracic Surgery
7. Surgery of Central Nervous System
8. Radiotherapy
9. Systematic Chemotherapy
10. Tumors of Female Sex Organs
11. Tumors of Male Sex Organs and Urinary Tract
12. Cancer of the oral cavity and upper air passage
13. Tumors of Infants and Children

5. FACILITIES AND INSTITUTIONS

—National Cancer Centre

6. REMARKS

Applicants are required to mention clearly in the Form A-3 one of the above practical training subjects that they want to study, as can choose only one subject.

## **14. MANAGEMENT TECHNIQUE**



SERIAL NUMBER 58

SHIPPING BUSINESS

1. PERIOD

July 10 to September 5, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) University graduates
- 2 Between twenty-five (25) and forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Administration and relevant laws of Japanese shipping
- Present situation of international shipping and Japanese shipping
- Future and innovation of maritime transportation
- Containerization, other unitarizations and related convention
- Bill of lading, charter party, marine insurance, etc.
- Choice of types and acquisition of vessel
- Shipping conference and management of liner operation
- Management of tramper operation
- Development of ports and harbours
- Present situation of Japanese shipbuilding industry

5. FACILITIES AND INSTITUTIONS

- Shipping Bureau, Ministry of Transport
- Tokyo International Center (TIC)

6. REMARKS

SERIAL NUMBER 91

SMALLER INDUSTRIES DEVELOPMENT (SEMINAR)

1. PERIOD

September 25 to December 25, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

Senior administrative officers who are engaged in formulation and implementation of development projects for smaller industries with more than 5 years of practical experience after their graduation from universities or the equivalent

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Regional development and industrial estate development planning
- Technological development and its extension service development activities
- Financing and managerial guidance
- Small industries and export trade promotion

5. FACILITIES AND INSTITUTIONS

-Nagoya International Training Center, JICA

6. REMARKS

SERIAL NUMBER 92

DEVELOPMENT ECONOMIST

1. PERIOD

September 25, 1975 to March 25, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Five (5)

3. QUALIFICATION

- 1) Persons working on the planning or implementation of national or regional development projects and policy
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

*Lectures, Practical Training and Visits on the following:*

- The method of preparing feasibility studies of agricultural, industrial, transportation and public utility development projects
- National planning and regional planning, and the inter-relationship of individual projects*

5. FACILITIES AND INSTITUTIONS

-The International Development Center of Japan

6. REMARKS

SERIAL NUMBER 96

TELECOMMUNICATION MANAGEMENT (SEMINAR)

1. PERIOD

October, 1975 (2 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

Directors or high-ranking officials

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Management on telecommunications
- Introduction to telecommunication management system in Japan*
- Present situation and future of telecommunication management
- Problems of telecommunication management particularly in *participating countries*
- Various related institutions and manufacturing plants

5. FACILITIES AND INSTITUTIONS

Ministry of Posts and Telecommunications

6. REMARKS



SERIAL NUMBER 106

ELECTRIC POWER BUSINESS MANAGEMENT

1. PERIOD

October 16 to December 11, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

- 1) University graduates
- 2) Between thirty-five (35) and forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures and Visits on the following:

- Planning of Electric Power Supply System
- Planning of Electric Power Development
- Operation and Management of Hydro Power Station
- Operation and Management of Thermal Power Station
- Miscellaneous Problems of Management in Power Supply Industry

5. FACILITIES AND INSTITUTIONS

- The Public Utilities Department, Agency of Natural Resources and Energy, Ministry of International Trade and Industry
- The Chubu Electric Power Co., Ltd.

6. REMARKS

SERIAL NUMBER 121

**RADIO BROADCASTING ADMINISTRATION  
FOR ASIAN COUNTRIES**

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**1. PERIOD**

August (12 days)

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

Eight (8)

**3. QUALIFICATION**

- 1) Director General and/or high ranking executive officials in Radio Administration who is responsible for frequency allocation
- 2) University graduates

**4. DESCRIPTION OF SEMINAR**

Lectures, Discussions and Observation

- Problems in Medium Frequency Radio Broadcasting
- Technical criteria for Frequency Allocation

**5. FACILITIES AND INSTITUTIONS**

*Radio Regulatory Bureau, Ministry of Posts and Telecommunications*

**6. REMARKS**

SERIAL NUMBER 124

SMALLER ENTERPRISE DEVELOPMENT  
AND MANAGEMENT

---

1. PERIOD

January 8 to March 10, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates or equivalent with occupational experience of more than 5 years
- 2) Under forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, Panel discussion, Symposium based on country papers and Visits on the following:  
-General perspectives of Japan's smaller enterprises  
its development and management methods in connection with governmental policies, taxation systems, financing and banking provisions, and modernization methods, etc.

5. FACILITIES AND INSTITUTIONS

- Osaka Prefectural Government
- The Osaka Prefectural Institute for Industrial Management

6. REMARKS

SERIAL NUMBER 136

POSTAL EXECUTIVES' SEMINAR

1. PERIOD

March 5 to 25, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

Directors or high-ranking officials in charge of postal administration in governmental organizations

4. DESCRIPTION OF TRAINING

Lectures, Discussions and Visits on the following:

- Management of postal services
- Problems faced by Japan's postal services
- Postal mechanization in Japan
- Personal training
- Common problems of the postal services in the regions concerned
- To local post offices

5. FACILITIES AND INSTITUTIONS

-Ministry of Posts and telecommunications

6. REMARKS

**15. ECONOMY AND FINANCE**



SERIAL NUMBER 24

TRADE PROMOTION B (SEMINAR)

1. PERIOD

Two months during May, June, July, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12) from Asian, Near and Middle East and Africa

3. QUALIFICATION

- 1) University graduates
  - 2) Under forty-five (45) years of age
- With at least 5 years' practical experiences at trade department of government organization

4. DESCRIPTION OF TRAINING

Lectures, discussions and Visits on the following:

- Trade promotion
- Japanese economy & trade
- International economy
- Trade business practice
- World trade (Japan) and Asian, Near and Middle East and Africa
- To Ministry of International Trade and Industry
- To Japan External Trade Organization
- To a Japanese trading company

5. FACILITIES AND INSTITUTIONS

-The World Trade Center of Japan, Inc. (WTC)

6. REMARKS

SERIAL NUMBER 79

INDIRECT TAX

1. PERIOD

September 4 to October 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates/those with more than 5 years' experience
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Japanese taxes
- Tax system of Japan on indirect tax
- Tax administration of Japan on indirect tax
- Comparative study on tax system and administration in Asian countries
- Regional tax administration bureaus, tax offices, and various industries

5. FACILITIES AND INSTITUTIONS

- Ministry of Finance and National Tax Administration Agency
- Tokyo International Center

6. REMARKS



SERIAL NUMBER 78

DIRECT TAX

1. PERIOD

September 4 to October 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates/those with more than 5 years' experience
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Japanese taxes
- Tax system of Japan on direct tax
- Tax administration of Japan on direct tax
- Comparative study on tax system and administration in Asian Countries
- Regional tax administration bureaus, tax offices and various industries

5. FACILITIES AND INSTITUTIONS

- Ministry of Finance and National Tax Administration Agency
- Tokyo International Center

6. REMARKS

SERIAL NUMBER 95

STATISTICS

1. PERIOD

September 25, 1975 to February 28, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Thirty (30)

3. QUALIFICATION

- 1) University graduates or equivalent
- 2) Knowledge of economics and mathematics is highly desirable
- 3) Should hold, or be potentially capable of assuming, a position of responsibility in a government statistical office
- 4) Preferably between twenty-five (25) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Statistical methods
- Economic accounting statistics
- Demographic and social statistics
- Economic statistics
- Agricultural statistics
- Observation of field operations of statistical surveys

5. FACILITIES AND INSTITUTIONS

-Asian Statistical Institute

6. REMARKS

SERIAL NUMBER 98

CUSTOMS TECHNIQUE (SEMINAR)

1. PERIOD

October 2 to November 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Discussions and Study-tours on the following:

- The organization and function of customs administration
- The related laws and regulations of the customs
- Procedures for the decision of customs tariff
- Procedures for decision, payment, collection and restitution of customs
- Customs formalities for the exports and imports
- Classification and valuation of imported goods
- Bonded areas and transportation in bond
- Procedures for entrance and clearance of ships or aircrafts and luggage inspection
- Investigation and punishment of customs offences
- Comparative study of customs procedures
- Other related systems and procedures
- To customs houses in Tokyo, Yokohama, Osaka and Kobe, and bonded manufacturing warehouses in several areas

5. FACILITIES AND INSTITUTIONS

- Customs and Tariff Bureau, Ministry of Finance
- Tokyo International Center, J.I.C.A.

6. REMARKS

SERIAL NUMBER 99

**TAX SEMINAR FOR ASIAN COUNTRIES  
(SENIOR CLASS TAX OFFICIALS)**

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**1. PERIOD**

October 5 to 19, 1975

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

Thirteen (13)

**3. QUALIFICATION**

- 1) Those who are presently engaged in tax planning or administration
- 2) *Directors or assistant directors of departments in national tax administration agencies*

**4. DESCRIPTION OF TRAINING**

*Lectures, Practical Training and Visits on the following:*

- Comparative study of tax system and administration in Asian countries*
- Tax system and administration of Japan*

**5. FACILITIES AND INSTITUTIONS**

- Ministry of Finance*
- National Tax Administration Agency*

**6. REMARKS**

## **16. EDUCATION AND LABOUR**



SERIAL NUMBER 10

FAMILY PLANNING ADMINISTRATION  
FOR SENIOR OFFICERS IN ASIA (SEMINAR)

1. PERIOD

April 8 to 15, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

Senior officers or executive members responsible for family planning programmes of governments or of voluntary organizations at central level

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Background information on family planning
- Budget, personnel, evaluation and research
- Communications and information
- Techniques of sterile regulation
- International cooperation

5. FACILITIES AND INSTITUTIONS

-Japanese Organization for International Cooperation in Family Planning Inc. (JOICFP)

6. REMARKS

SERIAL NUMBER 28

HIGH SKILLED MACHINIST

1. PERIOD

May 6, 1975 to March 20, 1976 (11 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) Technical or trade school graduates
- 2) Between twenty-five (25) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Mechanical engineering
- Materials
- Mechanism
- Material dynamics
- Machine factors
- Generalization of electricity
- Mechanical processing
- Production engineering
- Measurement
- Drawing
- Supervisory training

5. FACILITIES AND INSTITUTIONS

Osaka Higashi-Yodogawa Advanced Vocational Training Centre

6. REMARKS



SERIAL NUMBER 44

INFORMATION, EDUCATION AND COMMUNICATION  
IN FAMILY PLANNING (SEMINAR)

1. PERIOD

June 10 to 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eighteen (18)

3. QUALIFICATION

*Officers in charge of Information, Education and Communication in Family Planning*

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Family in Japan
- Information, education and communication activities in participating countries
- Education and mass media
- Family planning activities in rural areas in Japan
- Organizations being engaged in mass media, broadcasting centre, TV stations, printing companies, etc.

5. FACILITIES AND INSTITUTIONS

- Tokyo International Center
- Japanese Organization for International Cooperation in Family Planning, Inc.

6. REMARKS

SERIAL NUMBER 45

VOCATIONAL TRAINING INSTRUCTORS  
(ELECTRONIC COURSE)

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1. PERIOD

June 12, 1975 to March 31, 1976 (10 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Forty-five (45) for five (5) courses

3. QUALIFICATION

- 1) University graduates
- 2) Between twenty-five (25) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Semi-conductor devices
- Electronic circuit
- Logical circuit
- High frequency measurement
- Radion wave propagation
- Computer
- TV engineering
- Electrical communication engineering
- Electronic circuit experiment
- Logic circuit experiment
- Transistor radio experiment
- TV receiver experiment
- Computer experiment

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 45

VOCATIONAL TRAINING INSTRUCTORS  
(MACHINERY COURSE)

---

1. PERIOD

June 12, 1975 to March 31, 1976 (10 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Forty-five (45) for five (5) courses

3. QUALIFICATION

- 1) University graduates
- 2) Between twenty-five (25) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Mechanics and mechanism
- Strength of materials
- Metals and metal technology
- Machine tools
- Mechanical processing
- Measuring and testing
- Hand finishing
- Machine tool operation
- Mechanical experiment

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 45

**VOCATIONAL TRAINING INSTRUCTORS  
(AUTOMOTIVE COURSE)**

---

**1. PERIOD**

June 12, 1975 to March 31, 1976 (10 months)

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

Forty-five (45) for five (5) courses

**3. QUALIFICATION**

- 1) University graduates
- 2) Between twenty-five (25) and thirty-five (35) years of age

**4. DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Mechanics and mechanism
- Strength of materials
- Metals and metal technology
- Engineering thermodynamics
- Internal conduction engines
- Automobiles mechanism
- Automobile engineering
- Outline of electrical engineering
- Repair of motor vehicles
- Engine performance test
- Automobile performance test
- Mechanical experiment

**5. FACILITIES AND INSTITUTIONS**

Institute of Vocational Training

**6. REMARKS**

SERIAL NUMBER 45

VOCATIONAL TRAINING INSTRUCTORS  
(ELECTRICAL COURSE)

---

1. PERIOD

June 12, 1975 to March 31, 1976 (10 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Forty-five (45) for five (5) courses

3. QUALIFICATION

- 1) University graduates
- 2) Between twenty-five (25) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Power generation, transmission, distribution and substation
- Electric machinery
- Power electronics
- Illumination
- Design of house wiring
- Electrical wiring construction
- House wiring
- Switch panel wiring
- Assembling and testing of transformer and motor
- Electrical measurement

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 45

VOCATIONAL TRAINING INSTRUCTORS  
(WOODWORKING COURSE)

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1. PERIOD

June 12, 1975 to March 31, 1976 (10 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Forty-five (45) for five (5) courses

3. QUALIFICATION

- 1) University graduates
- 2) Between twenty-five (25) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Planning and design
- Materials
- Wood processing (Operation of woodworking machines, cutting processes, glued connection and plywood processes, paint and painting)
- Hand processing (Adjustment of hand tools, gluing processes, sanding and finishing)
- Mechanical processing

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training

6. REMARKS

SERIAL NUMBER 100

VOCATIONAL TRAINING ADMINISTRATION  
(SEMINAR)

---

1. PERIOD

October 9 to December 19, 1975 (6 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Higher education graduates who are engaged in the planning or enforcement of vocational training or managing officers in vocational training
- 2) More than thirty (30) years of age

4. DESCRIPTION OF TRAINING

Lectures, Discussions and Visits on the following:

- Organization of vocational administration and functional training administration*
- Vocational education system*
- Employment policy*
- Present situation and future of vocational training*
- Present situation and problems of vocational training administration*
- Industrial relations, wage and situation of employment*
- Vocational training system in enterprises*
- Trade skill test system*

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training, Ministry of Labour  
Tokyo International Centre

6. REMARKS

SERIAL NUMBER 104

INDUSTRIAL SAFETY AND HEALTH (SEMINAR)

1. PERIOD

October 9 to November 19, 1975 (6 weeks)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Higher education graduates with experience over 3 years in the field of Industrial safety and health or labour inspection in his Government body
- 2) Between twenty-five (25) and forty-five (45) years of age

4. DESCRIPTION OF TRAINING

Lectures, Discussion and Visits on the following:

- Role of government and non-governmental organization in industrial safety and health
- Methods of accident investigation and procedures of cause analysis and cost calculation

5. FACILITIES AND INSTITUTIONS

Ministry of Labour  
Tokyo International Centre

6. REMARKS



SERIAL NUMBER 111

**PUBLIC ADMINISTRATION OFFICERS  
ON WOMEN'S PROBLEMS (SEMINAR)**

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**1. PERIOD**

October 16 to November 14, 1975 (1 month)

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

Ten (10)

**3. QUALIFICATION**

- 1) Middle or managing woman staffs in charge of administration on women's problems at the governmental or related public organizations
- 2) Between twenty-five (25) and forty (40) years of age

**4. DESCRIPTION OF TRAINING**

Lectures, Discussions and Visits on the following:

- Public administration on women's problems in Japan
- Comprehensive studies on the present status of public administration on women's problems in various countries
- Related institutions and organizations

**5. FACILITIES AND INSTITUTIONS**

Ministry of Labour

**6. REMARKS**

SERIAL NUMBER 115

CERAMIC DEVELOPMENT (SEMINAR)

1. PERIOD

November 6 to 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

*Directors or high ranking officials in charge of ceramic development in government organizations*

4. DESCRIPTION OF TRAINING

*This seminar is to exchange views on how to develop ceramic reserches and industries in developing countries. For this aim, a country report on ceramic field is presented by each participant to introduce the present ceramic conditions and problems and then various descussions will be made to find out the clue to the development. This seminar also includes the observation of various ceramic engineering centers, and factories*

5. FACILITIES AND INSTITUTIONS

*-Government Industrial Research Institute, Nagoya  
-Nagoya International Training Center, JICA*

6. REMARKS

SERIAL NUMBER 137

VOCATIONAL TRAINING ADMINISTRATION  
(SEMINAR)

---

1. PERIOD

August 14 to September 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Higher education graduates in the planning/enforcement of vocational training administration in the central government and/or managing officers in public vocational training institutions
- 2) More than thirty (30) years of age

4. DESCRIPTION OF TRAINING

Lectures, Discussions and Visits on the following:

- Vocational administration and functional training administration
- Employment policy
- Industrial relations, wage and situation of employment
- Vocational training system in enterprises
- Trade skill test system
- Present situation and future of vocational training administration
- Visits to facilities of vocational education, public facilities of vocational training, public employment security office and labour market centre, facilities of vocational training in enterprises etc.

5. FACILITIES AND INSTITUTIONS

- Ministry of Labour
- Tokyo International Centre

6. REMARKS



## 17. STATISTICS



CODE NUMBER  
SERIAL NUMBER 13

ECONOMIC DEVELOPMENT (SEMINAR)

1. PERIOD

April 10 to May 20, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Government officials in charge of economic development policies
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Factors of Japan's economic development
- Japan's economic planning
- International cooperation and development
- Visit to industries

5. FACILITIES AND INSTITUTIONS

- Economic Planning Agency
- Tokyo International Center

6. REMARKS

SERIAL NUMBER 26

BUSINESS FEASIBILITY STUDY  
AND MANAGEMENT PRACTICE

1. PERIOD

May 8 to October 31, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) University graduates
- 2) Between twenty-six (26) and thirty-five (35) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Fundamental concept of industrial development, *Japanese economy and business conditions*
- Introduction of the basic theory and knowledge of business feasibility study*
- Business diagnosis
- Business management

5. FACILITIES AND INSTITUTIONS

-Nagoya International Training Centre  
Central Japan Industries Association

6. REMARKS



SERIAL NUMBER 57

AGRICULTURAL STATISTICS

1. PERIOD

July 10 to September 30, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates
- 2) Government officials engaging in planning and administration
- 3) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Statistical theory and its application to agricultural statistics
- Statistical system in Japan

5. FACILITIES AND INSTITUTIONS

--Statistics and Information Department, Agricultural, Forestry and Economic Bureau,  
Ministry of Agriculture and Forestry

6. REMARKS

SERIAL NUMBER 127

INDUSTRIAL STANDARDIZATION AND QUALITY CONTROL

1. PERIOD

January 8 to March 31, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:  
-Essentials of standardization, national and International standardization  
-Standardization in specific fields of industry in Japan  
-Application of statistical methods for quality control  
-Sampling inspection, etc.

5. FACILITIES AND INSTITUTIONS

-Ministry of International Trade and Industry  
-Japanese Standard Association

6. REMARKS

SERIAL NUMBER 130

METROLOGY AND MEASUREMENT STANDARDS

1. PERIOD

January 15 to March 31, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty-five (45) years of age

4. DESCRIPTION OF TRAINING

- Lectures, Practical Training and Visits on the following:
- Essentials of metrology and measurement standards
  - International system of units
  - Export and import inspection system
  - Maintenance of measurement standards
  - Electrical and related units

5. FACILITIES AND INSTITUTIONS

- National Research Laboratory of Metrology (NRLM)
- Japan Measuring Instruments Federation
- Electrotechnical Laboratory

6. REMARKS



**18. PUBLIC ADMINISTRATION**



SERIAL NUMBER 3

TREATMENT OF OFFENDERS

1. PERIOD

April 3 to July 9, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- 1) Persons who hold relatively senior positions in a central bureau or department or field agency concerned with the correctional treatment of delinquents and offenders
- 2) University graduates with five (5) years practical experience or equivalent with eight (8) years practical experience
- 3) Under fifty (50) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Appropriate treatment measures for re-integrating offenders into community
- Comparative study of treatment process of offenders
- Group workshops on the topics selected by participants
- Others

5. FACILITIES AND INSTITUTIONS

\*UNITED NATIONS ASIA AND FAR EAST INSTITUTE FOR THE PREVENTION OF CRIME AND THE TREATMENT OF OFFENDERS (UNAFEI)

6. REMARKS

SERIAL NUMBER 14

SUPERVISORY TRAINING (SEMINAR)

1. PERIOD

April 10 to June 7, 1975 (2 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) University graduates
- 2) Over thirty (30) years of age

4. DESCRIPTION OF TRAINING

Lectures, Discussions and Visits on the following:

- Present situation and problems of vocational training
- Japanese labor economy
- Policy for manpower development
- Supervisor and human relations
- Supervisory training
- Responsibility and qualifications of supervisory
- Foremen training
- Vocational training center
- Supervisor and productivity
- Audiovisual aids
- Foreman training within industry
- Vocational training center
- The Institute of Vocational Training
- Mainstay enterprises
- Technical high schools

5. FACILITIES AND INSTITUTIONS

Institute of Vocational Training, Ministry of Labor  
Tokyo International Centre

6. REMARKS



SERIAL NUMBER 38

CRIMINAL INVESTIGATION IN ASIA (SEMINAR)

1. PERIOD

May 29 to June 18, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Seventeen (17)

3. QUALIFICATION

A Senior police officer in charge of investigations against offenses of international nature

4. DESCRIPTION OF TRAINING

Lectures and Visits on the following:

- Criminal police of Japan
- Laws & regulations on criminal matters in Japan
- Laws & regulations on criminal matters enforced in participating countries
- Identification system of Japan
- Interpol and international mutual assistance in criminal matters
- Promotion of international investigative cooperation
- Use of computers in criminal investigations
- Police communications of Japan
- Development of International Police Telecommunication Network
- To the National Police Academy and the National Research Institute of Police Science, etc.

5. FACILITIES AND INSTITUTIONS

- Criminal Investigation Bureau, National Police Agency
- Japan International Cooperation Agency

6. REMARKS

SERIAL NUMBER 69

INDUSTRIAL DESIGN

1. PERIOD

August to November 1975 (about 3 months)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) Those who have more than five (5) years' practical experience
- 2) Under thirty-five (35) years of age for industrial design, craft design, etc.
- 3) Those who have a specific assignment to be solved through the seminar

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Tendency of industrial design in Japan
- Motive and process of design
- Role of industrial design
- Design method etc.

5. FACILITIES AND INSTITUTIONS

- Japan Industrial Design Promotion Organization
- Japan Export General Merchandise Center

6. REMARKS

SERIAL NUMBER 75

FIRE SERVICE ADMINISTRATION

1. PERIOD

August 28 to October 31, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Ten (10)

3. QUALIFICATION

- 1) Bachelor degree in law, politics, economics administration and related fields
- 2) Under forty (40) years of age

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits on the following:

- Introduction
- Fire service administration, organization and fire personnel
- Fire Prevention
- Defence system and activity

5. FACILITIES AND INSTITUTIONS

- Fire Defence College and Fire Defence Laboratory
- Tokyo Fire Department

6. REMARKS

SERIAL NUMBER 85

ADMINISTRATION OF CRIMINAL JUSTICE

1. PERIOD

September 4 to December 10, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Fifteen (15)

3. QUALIFICATION

- (1) judges, magistrates, public prosecutors or senior police officials, who should have had at least eight (8) years of practical experience in their fields of work, or alternatively, five (5) years of practical experience plus a university degree or its equivalent;
- (2) under fifty (50) years of age

4. DESCRIPTION OF TRAINING

GROUP TRAINING COURSE

THE ADMINISTRATION OF CRIMINAL JUSTICE

Lectures, Practical Training and Visits (Topics will be decided in March, 1975)

5. FACILITIES AND INSTITUTIONS

Asia and Far East Institute for the Prevention of Crime and Treatment of Offenders (UNAFEI)

6. REMARKS

SERIAL NUMBER 88

CONTROL OVER NARCOTIC CRIMES (SEMINAR)

**1. PERIOD**

September 18 to October 26, 1975

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

Eighteen (18)

**3. QUALIFICATION**

Staff members in charge of narcotic crimes at central organizations

**4. DESCRIPTION OF TRAINING**

Lectures, Practical Training and Visits on the following:

- Lecture on circumstances under which narcotic crimes decreased in Japan
- Presentations and discussions concerning narcotic situations and current problems in each participating country
- Lectures and discussions on identification of narcotic drugs and on countermeasures against addicts
- Visits to various institutions related to the police and narcotic drugs

**5. FACILITIES AND INSTITUTIONS**

- National Police Agency
- Tokyo International Center

**6. REMARKS**

SERIAL NUMBER 119

SEMINAR ON ENVIRONMENTAL ENGINEERING

-- WATER POLLUTION CONTROL --

1. PERIOD

September 2 to October 1, 1975

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Eight (8)

3. QUALIFICATION

Junior technical and/or administrative officials in environmental administration

4. DESCRIPTION OF TRAINING

Lectures, discussions, Practical Training and Visits on the following:

- Legal and administrative framework for water pollution control
- Assessment of impact on water systems
- Water quality monitoring and surveillance
- Measurement and analysis of water quality
- Diffusion models
- Pollution control measures

5. FACILITIES AND INSTITUTIONS

- Environment Agency

6. REMARKS

SERIAL NUMBER 131

NATIONAL GOVERNMENT ADMINISTRATION

**1. PERIOD**

January 15 to April 26, 1976

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

Forteen (14)

**3. QUALIFICATION**

- 1) University graduates
- 2) Promising Administrators or Officials  
Between thirty-five (35) and forty-five (45) years of age

**4. DESCRIPTION OF TRAINING**

Lectures, Discussions and Visits on the following:  
–Comparative study, modernization, public administration  
–Public policies, international problems, etc.

**5. FACILITIES AND INSTITUTIONS**

Institute of Public Administration, National Personnel Authority

**6. REMARKS**

SERIAL NUMBER 133

INTERNATIONAL SEMINAR COURSE

1. PERIOD

February to March, 1976 (30 days)

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Sixteen (16)

3. QUALIFICATION

- (1) very senior officials who are holding key positions in making important decisions in the development of new policies and programmes of the police or other law enforcement agencies in each country;
- (2) under fifty-five (55) years of age and likely to continue to work in this field for a minimum period of two (2) years

4. DESCRIPTION OF TRAINING

Lectures, Practical Training and Visits (Topics will be decided in August, 1975)

5. FACILITIES AND INSTITUTIONS

Asia and Far East Institute for the Prevention of Crime and Treatment of Offenders (UNAFEI)

6. REMARKS



SERIAL NUMBER 137

LOCAL GOVERNMENT ADMINISTRATION  
(REGIONAL DEVELOPMENT)

1. PERIOD

March 19 to June 20, 1976

2. NUMBER OF PARTICIPANTS TO BE RECEIVED

Twelve (12)

3. QUALIFICATION

- 1) University graduates
- 2) Under forty (40) years of age
- 3) More than five years' experience in civil service

4. DESCRIPTION OF TRAINING

Lectures, seminars Practical Training and Visits on the following:

- Local government
- Local finance
- Local tax
- Planning techniques of regional development
- Regional development plan in Japan
- Process in development administration
- On survey of Japanese economy
- Environmental policy and regional development
- Agriculture in Japan
- Population problem
- Modernization of Japan
- Blocking factors in community development

5. FACILITIES AND INSTITUTIONS

- Tokyo International Centre
- Local Autonomy College, Ministry of Home Affairs

6. REMARKS

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