【ONLINE】
Knowledge Co-Creation Program
(Group & Region Focus)

General information on

Strengthening of Cooperation among Organizations against Cyberattacks
課題別研修「サイバー攻撃に対する組織間連携強化」
JFY 2021
Course No.: 202003151J001
Course Period: From February 7, 2022 to February 18, 2022

This information pertains to one of the JICA Knowledge Co-Creation Programs (Group & Region Focus) of the Japan International Cooperation Agency (JICA) implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

JICA Knowledge Co-Creation Program (KCCP)
The Japanese Cabinet released the Development Cooperation Charter in February 2015, which stated, *"In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together."* JICA believes that this 'Knowledge Co-Creation Program' will serve as a foundation of mutual learning process.

I. Concept

Background

While the internet has become an indispensable economic foundation for people, the scale and impact of infringing acts using cyberspace (cyberattacks) are increasing year by year. Cyberattacks have the characteristics of being highly anonymous, overwhelmingly advantageous to the attacker, rarely receiving geographical contracts, and easily crossing national borders.

Recently, Cyberattacks on "Critical Infrastructure such as large-scale oil plants and electronic payment services, which are indispensable for daily life, are also increasing.

It is difficult to defend against cyberattacks singlehandedly as threats rapidly diversify, advance and proliferate within a short period. In order to make important infrastructure services safe and sustainable, it is necessary to create a mechanism for sharing information between organizations among the same kind of infrastructure. This mechanism is effective in reducing the risks of cyberattacks and for quick recovery.

For what?

This program aims to share experiences for establishing and managing information sharing organizations (i.e. ISACs: Information Sharing and Analysis Centers) for entities such as critical infrastructure operators to effectively exchange and analyze information on cybersecurity.

For whom?

This program is offered to the officials who belongs to the ministries in charge of or related to cybersecurity and ICT, organizations defined as critical infrastructure in the country, national CSIRTs (Computer Security Incident Response Team).

How?

Participants shall have opportunities to learn suitable approaches and strategies to establish and manage information sharing organizations for entities such as critical infrastructure operators to effectively exchange and analyze information on cybersecurity through the lectures.

Participants will also discuss their issue and compile ideas on how to establish information sharing organizations in each participant's countries based on the knowledge and ideas acquired during the program.

II. Description

1. **Title (Course No.)**
   Strengthening of Cooperation among Organizations against Cyberattacks (202003151J001)

2. **Course Duration in Japan**
   February 7 to February 18, 2022

   Response to the time difference during the online program
   In order to have interactive communication between lecturers and participants, most of lectures in this course will be conducted Webinar using **Microsoft Teams**.

   > Duration of one webinar session should be within 2 hours, except presentation session.   All the Webinar will be scheduled in following time zones.
   > Japan: 2:00PM - 7:00PM (UTC+09:00)
   > GMT : 5:00AM - 10:00AM (UTC+00:00)

   [Note]
   During the program, you are responsible for time management. Please make sure that you discuss this with your supervisor in your organization, so that you have enough time to focus on your course work.

3. **Target Regions or Countries**
   Indonesia, Brazil, Fiji, Laos, Malaysia, Philippines, Republic of North Macedonia, Thailand, Ukraine, Viet Nam

4. **Eligible / Target Organization**
   This program is offered to the officials who belongs to the ministries in charge of or related to cybersecurity and ICT, organizations defined as critical infrastructure in the country, national CSIRTs (Computer Security Incident Response Team).

5. **Capacity (Upper Limit of Participants)**
   11 participants

6. **Language**
   English

7. **Objective(s)**
   To understand the importance of information sharing organizations (such as ISACs) for effective information exchange and analysis on cybersecurity, and to improve the necessary skills to develop and execute the action plan.

8. Output and Contents

This course consists of the following components. Details on each component are given below.

Preparation Period: From January to February 2	
Preparation of Presentation	At the beginning of the course, each participants will present the current situation of Cybersecurity and Coordination among organizations against cyberattacks. Accepted participants will later receive detailed information necessary for the preparation of this presentation.

Online Course: From February 7 to February 18		
Expected Output	Subjects/Agendas	Methodology
Be able to understand and explain to others on the importance and effects of coordination among organizations against cyberattacks	Current situation of Cybersecurity Cybersecurity Policy in Japan	Lecture Discussions Webinar
Be able to understand and explain to others on the issues related to developing and advancing coordination among organizations.	Outline of the Cybersecurity Information Sharing System in Japan	Lecture Discussions Webinar
Be able to consider necessary measures in order to develop a coordination system among organizations in their own country, and be able to explain and share them with relevant organizations.	Case studies: establishing ISACs for critical infrastructure protection	Lecture Discussions Webinar

[Note]
During the program, you are responsible for time management. Please make sure that you discuss this with your supervisor in your organization, so that you have enough time to focus on your course work.

III. Eligibility and Procedures

1. **Expectations to the Applying Organizations**
   (1) This course is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Applying organizations are expected to use the program for those specific purposes.
   (2) This course is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the course to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.

2. **Nominee Qualifications**
   Applying organizations are expected to select nominees who meet the following qualifications.

   (1) Essential Qualifications
   1) Current Duties: officials who belong to ministries in charge of or related to cybersecurity and ICT, organizations defined as critical infrastructure in the country, national CSIRTs (Computer Security Incident Response Team).
   2) Experience in the Relevant Field: have more than 3 years experience in the field of cybersecurity or related fields
   3) Educational Background: be a graduate of university
   4) Language Proficiency: have a competent command of spoken and written English proficiency equivalent to TOEFL iBT 100 or above (This workshop includes active participation in discussions, which requires high competence in English. Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible)

   (2) Technical Requirements for the Online Course (Computer)
   Technology Proficiency:
   -Basic computer skills such as, sending/receiving email with attachments, and using a web browser.
   -Online course may be delivered using the following services, Web Conferences (MS Teams), Cloud Storage (Google Drive, Gigapod), and YouTube. (Online tutorial and support by JICA will be limited. The ability to be self-directed in learning new technology skills are required.)

   Internet Connection:
   -High Speed Broadband Connection (at least 2Mbps).

   ＊Connecting from the participant's office / work place
   * Internet access charge incurred for this course shall be borne by your

organization.

＊Connecting from the participant's office / work place
*Internet access charge incurred for this course shall be borne by you.

Hardware (Minimum Requirement):
- Regular access to a computer, either from your home or from your office.
- Operating System: Windows or Mac OS (Updated version is preferred).
-Processor: Intel Core 2 Duo or higher; 2GHz or higher
- Memory: 4GB of RAM or higher
- Hard Drive Space: 5GB free disk space
- Browser: Google Chrome is preferred browser. (Edge, Firefox, Safari can be used)
- Others: Webcam Microphone, and Audio output Device (Speaker or Headset)
*In some cases, Smartphone (Android OS or Apple iOS) can be used as substitute of PC.

Software (which may be required):
-Zoom Client for Meeting (https://zoom.us/download)
*If there is anyone who do not have access to Google Meets, Zoom will be used for the webinar session.
*In case you are using your office computer and use of Zoom is not authorized by your IT administrator, please notify JICA at the time of application.

(3) Recommended Qualifications
1) Age: between the ages of twenty-five (25) and fifty (50) years
2) Gender Consideration: JICA promotes gender equality. Women are encouraged to apply for the program.

3. Required Documents for Application
(1) Application Form: The Application Form is available at **the JICA overseas office (or the Embassy of Japan)**
(2) Photocopy of Passport or Identification: You should submit it with the Application Form
   *The following information should be included in the photocopy:
     Name, Date of Birth
(3) English Score Sheet (Photocopy): to be submitted with the Application Form, if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)
(4) Job Report: to be submitted with the application form. Details are in Annex of this General Information.

4. **Procedures for Application and Selection**
   (1) Submission of the Application Documents

   Closing date for applications: **Please confirm the local deadline with the JICA overseas office (or the Embassy of Japan).**

   （All required material must arrive at **JICA Center in Japan by December 13, 2021**）

   (2) Selection

   Primary screening is conducted at the JICA overseas office (or the embassy of Japan) after receiving official documents from your government. JICA Center will consult with concerned organizations in Japan in the process of final selection. Applying organizations with the best intentions to utilize the opportunity will be highly valued.

   The Government of Japan will examine applicants who belong to the military or other military-related organizations and/or who are enlisted in the military, taking into consideration of their duties, positions in the organization and other relevant information in a comprehensive manner to be consistent with the Development Cooperation Charter of Japan.

   (3) Notice of Acceptance

   The JICA overseas office (or the Embassy of Japan) will notify the results **not later than January 17, 2022**.

5. **Additional Document(s) to Be Submitted by Accepted Participants**

   Presentation -- to be submitted by **February 2, 2022**

   Accepted participants are required to prepare a Presentation. The detailed information will be provided after issuing the letter of acceptance notice.

6. **Conditions for Participation**
    The participants of KCCP are required
    (1) to strictly observe the course schedule,
    (2) to carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Japanese Government in respect of the course,
    (3) to observe the rules and regulations of the program implementing partners to provide the program or establishments,
    (4) to strictly restrict capturing the PC screen, recording video or voice during the lecture.

IV. Administrative Arrangements

1. **Organizer (JICA Center in Japan)**
    (1) Center: JICA Kansai Center (JICA Kansai)
    (2) Program Officer: Ms. SAWAI Ayaka (Sawai.Ayaka@jica.go.jp)
    　　　　　　　　　　Ms. HATAYAMA Yukari (Hatayama.Yukari@jica.go.jp)

2. **Implementing Partner**
    (1) Name: NTT Business Solutions
    (2) URL: https://group.ntt/en/ （NTT Group）,
    　　　　https://www.ntt-west.co.jp/english/   (NTT West)

3. **Introduction of JICA and JICA's KCCP**
    YouTube of "Knowledge Co-Creation Program and Life in Japan" and "Introduction of JICA Center" are viewable from the link below.
    Image videos of 'Introduction of JICA Center (YouTube)' show the following information of JICA Centers: Location, Building, Entrance, Reception(Front desk), Lobby, Office, Accommodation(Room), Amenities(Hand dryer), Bathroom(Shower and Toilet), Toiletries, Restaurant, Laundry Room(Washing machine, Iron), ICT Room(Computer for participants), Clinic, Cash dispenser, Gym, Neighborhood

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
Part II: Introduction of JICA Centers in Japan	
JICA Kansai	https://www.jica.go.jp/kansai/english/office/index.html

V. Other Information

Participants who have successfully completed the program will be awarded a certificate by JICA.

VI. Annex

All applicants are required to prepare a Job Report Document and submit it with Application Form. Job Report will be used for screening of applicants, and applications without completed Job Report will not be considered as duly qualified.

ALL the Applicants

Style	Microsoft Word format Paper Size A4 Maximum 2 pages
Contents	Job Report should cover following elements. **1. Back ground information on Cybersecurity.** Brief introduction of your country and current cybersecurity issues (incident, collective measures etc.). This will be useful for lecturers and participants from other countries to understand the situation of your country. Describe concisely current status of inter-organizational collaboration on information sharing and analysis related to cyber security. **2. Role of the Applicant Organization (mission, duty, etc.) and your role and Duty.** Brief introduction of your belonging organization and your responsibility in the organization.
Language	English
Submission	Submit Job Report with Application Form.

For Your Reference

JICA and Capacity Development

Technical cooperation is people-to-people cooperation that supports partner countries in enhancing their comprehensive capacities to address development challenges by their own efforts. Instead of applying Japanese technology per se to partner countries, JICA's technical cooperation provides solutions that best fit their needs by working with people living there. In the process, consideration is given to factors such as their regional characteristics, historical background, and languages. JICA does not limit its technical cooperation to human resources development; it offers multi-tiered assistance that also involves organizational strengthening, policy formulation, and institution building.

Implementation methods of JICA's technical cooperation can be divided into two approaches. One is overseas cooperation by dispatching experts and volunteers in various development sectors to partner countries; the other is domestic cooperation by inviting participants from developing countries to Japan. The latter method is the Knowledge Co-Creation Program, formerly called Training Program, and it is one of the core programs carried out in Japan. By inviting officials from partner countries and with cooperation from domestic partners, the Knowledge Co-Creation Program provides technical knowledge and practical solutions for development issues in participating countries.

The Knowledge Co-Creation Program (Group & Region Focus) has long occupied an important place in JICA operations. About 400 pre-organized course cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs is being customized by the different target organizations to address the specific needs, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

Japanese Development Experience

Japan, as the first non-Western nation to become a developed country, built itself into a country that is free, peaceful, prosperous and democratic while preserving its tradition. Japan will serve as one of the best examples for our partner countries to follow in their own development.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated, of course, has been accompanied by countless failures and errors behind the success stories.

Through Japan's progressive adaptation and application of systems, methods and technologies from the West in a way that is suited to its own circumstances, Japan has developed a storehouse of knowledge not found elsewhere from unique systems of

organization, administration and personnel management to such social systems as the livelihood improvement approach and governmental organization. It is not easy to apply such experiences to other countries where the circumstances differ, but the experiences can provide ideas and clues useful when devising measures to solve problems.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.

Contact Information for Inquiries

For inquiries and further information, please contact the JICA overseas office or the Embassy of Japan. Further, address correspondence to:

JICA Kansai Center (JICA Kansai)