

REVISION **The revised part is shown in red.*



Online

Knowledge Co-Creation Program (Group and Region Focus)

Capacity Building in International Law and Policy Formation for Enhancement of Measures to Ensure Cybersecurity



Online Program Period:

October 25 - November 5, 2021

Program Number:

No. 201902093J001(FY2020) & No. 202003144J001(FY2021)



NOTE: Depending on the circumstances, some or all of the program periods may be changed or cancelled after the application has been accepted.



How can law and policy help ensure Cybersecurity?

Gain insight to promote cybersecurity
measures by capacity building in law and
policy formation for cybersecurity from the
experts of Japan.



JICA Knowledge Co-Creation Program (Group and Region Focus)

**Capacity Building in International Law and Policy Formation for
Enhancement of Measures to Ensure Cybersecurity**



Outline

This program is designed for the officials engaged in making or implementing cybersecurity policies in government agencies/ government CSIRT/ national CSIRT to develop capacity building in international law and policy formation for cybersecurity.

The participants will be provided with opportunities to learn international law and policies on cybersecurity and the measures taken in Japan, to consider how to apply in their own countries.

All sessions are carried out in English.

The period of the program is from October 25 to **November 5, 2021**.

Course Capacity: 15

JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, stated that “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.” We believe that this ‘Knowledge Co-Creation Program’ will serve as a foundation of mutual learning process.



JICA Knowledge Co-Creation Program (Group and Region Focus)

**Capacity Building in International Law and Policy Formation for
Enhancement of Measures to Ensure Cybersecurity**

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For What?

Background

With the widespread use of the Internet in recent years, an increasing number of malicious cybersecurity incidents (e.g. Ransomware attacks, Distributed Denial-of-Service “DDoS” attacks etc.) have occurred across the border. They have targeted critical infrastructures of governments and private companies, putting their security at risk. Thus, recently, cybersecurity measures have become one of the pressing issues for national defense as well as social security.

Considering such situation, Japan has been fortifying international collaboration and efforts in the field of cybersecurity under the several frameworks such as “ASEAN-Japan Cybersecurity Policy Meeting” since 2009, to make our ICT environment safer and more secure.

Objectives

The program aims to strengthen and promote cybersecurity measures by capacity development of officials engaged in cybersecurity regulations and policies, based on the international trends including socioeconomic impact of internet governance and free flow of data.

To Whom?

Job Areas and Organizations

This program is designed for the government agencies (ministries and agencies), government CSIRT (Computer Security Incident Response Team), or National CSIRT

**Find the further Nominee Qualifications on page 13-15.*

Targeted Countries

Brazil (1), Cook Islands (1), Cuba (1), Peru (1), Malaysia (1), Nigeria (1), Pakistan (1), Rwanda (1), Thailand (2), Ukraine (2)



When?

Online Program Period



From October 25, 2021
to **November 5**, 2021

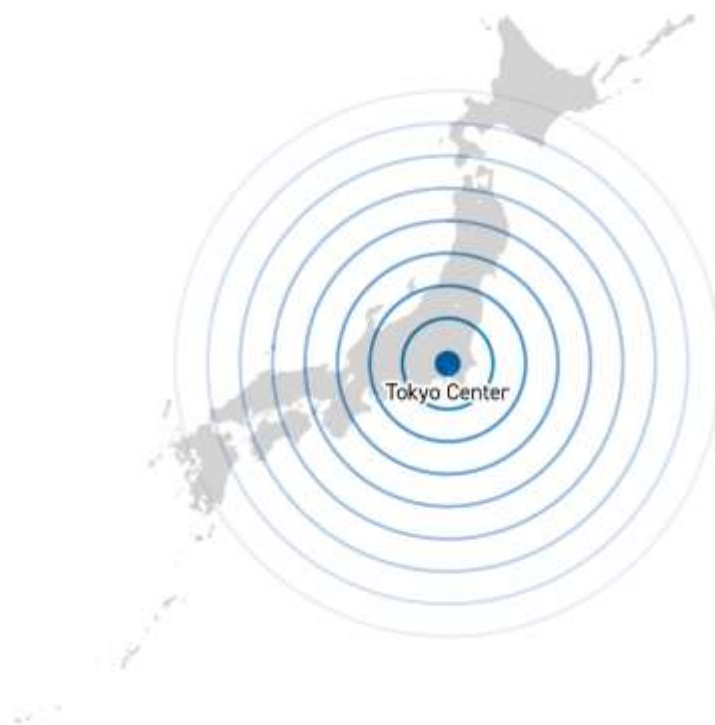
All participants will be connected via **Google Workspace/ Google Meet**.

You will be notified about the details of time schedule for the program later.

Where?

This program is carried out totally online, organized by JICA Tokyo Center. You can attend the program either from your home/office where you can ensure stable internet environment.

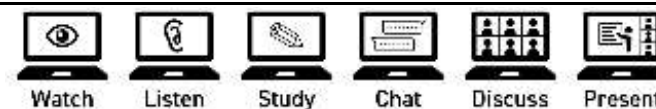
**Find the details on page 14.*



How?

How to Learn

- Online Self-Study
- Online Interactive Q&A Session
- Online Lectures
- Online Discussions
- Online Presentations



Language

English

Commitment to the SDGs



Program Contents **The contents may be subject to minor change.*

(1) Pre-assignments before the program (Mid-September, 2021 to Late-October, 2021)		
Module	Activities	
To acquire the basic knowledge	<i>For Accepted Candidates only</i>	<p>Read and Watch the materials below</p> <p>【REQUIRED】</p> <ul style="list-style-type: none"> ■UN Cyber Diplomacy (3.5 hours) https://cyberdiplomacy.disarmamenteducation.org/ <i>*Need to create your own user account to take this online course.</i> <i>*Required to submit the Certificate until October 24, 2021, which given upon completion of the course.</i> <p>【REFERENCE】</p> <ul style="list-style-type: none"> ■Report of the Group of Governmental Experts, UN A/70/174 - E - A/70/174 -Desktop (undocs.org) ■National center of Incident readiness and Strategy for Cybersecurity (NISC): https://www.nisc.go.jp/eng/index.html ■Ministry of Internal Affairs and Communications (MIC): http://www.soumu.go.jp/english/index.html ■Ministry of Economy, Trade and Industry (METI): http://www.meti.go.jp/english/index.html ■JICA-net: [JICA-Net Library]Japanese Assistance on Cybersecurity for Developing Countries(Full ver.) - YouTube
To identify and define problems on cybersecurity measures in your country.	<i>For Accepted Candidates only</i>	<p>Formulate and Submit materials for</p> <p>“Inception Report Presentation”</p> <p>*Due date for submission: <u>October 15th(Fri), 2021</u></p> <p>To: tictree@jica.go.jp / Udo.Atsumo@jica.go.jp</p> <p>(*Please refer to the Annex 1)</p>

(2) Core Program(October 25th, 2021 to **November 5th**, 2021)**Modules****0. Introduction:**

- Self-introduction from participants
- Summary introduction of your Inception Reports

1. Overview of Cybersecurity Policy:

- Socioeconomic impact of cybersecurity policy
- International trends on cybersecurity law & regulation and internet governance
- Data Free Flow with Trust

2. Future Trends of Cybersecurity:

- Latest and future threats on cybersecurity
- Socioeconomic impact of threats
- Expected measures taken by governments and their roles

3. Cybersecurity Challenges and Efforts in Japan:

- Japanese approach towards international trends
- Current situation and challenge of Japanese cybersecurity

4. Individual Consultation:

- individual Consultation for your Action Plan by Japanese experts

Expected Learning Outcome 1:

To be able to understand socioeconomic impact of Cybersecurity and discuss how Cybersecurity policy and internet should be in their home countries, based on the international trends including existence way of Cyberspace, internet governance and free flow of data.

Covered in Modules - **1** **4**

Expected Learning Outcome 2:

To be able to explain the difference of policy and organizational structure between Japan and their home countries, by deepening understandings of Cybersecurity policies and its related priority areas (including critical information infrastructure protection, awareness raising, capacity building, public-private partnership and incident management).

Covered in Modules - **1** **2** **3** **4**

Expected Learning Outcome 3:

To be able discuss the issues such as internet governance and free flow of data continuously for enhancement of Cybersecurity policy and measures back in their countries.

Covered in Modules - **4**

Instructors

Mr. DEGUCHI Satoshi

National center of Incident readiness and Strategy for Cybersecurity (NISC)

Message: Hello everyone! I am Deguchi (“Sato”). I have been working for around 20 years in the IT/Security sector as an engineer, consultant and government official. In my class, I prefer interactive workshop style discussions to normal lectures. Let's have fun discussions in our class.



Ms. OGAWA Nozomi

Office for STI & DX, Governance and Peacebuilding Department, Japan International Cooperation Agency (JICA)

Message: There is no single answer to how cybersecurity law and policy should be formulated - it totally depends on the circumstances and needs of each country and region. Through this program, you will explore the big picture of international trends and individual case studies, especially of Japan, in order to get an insight for your own country's cybersecurity law and policy. We are looking forward to your participation.



Other Japanese professors and experts will be assigned after coordination.

Program Officer

Ms. UDO Atsuko

Japan International Cooperation Agency (JICA)
Tokyo Center

Message: Hello, friends! Have you ever experienced knowledge co-creation with other countries' friends on cybersecurity law and policy? In this program, we focus on cybersecurity policies and regulations based on the international trends as a key of the contribution to secure our ICT environment. Let's gain a new perspective through lectures and discussions. Looking forward to meeting you!



Voice

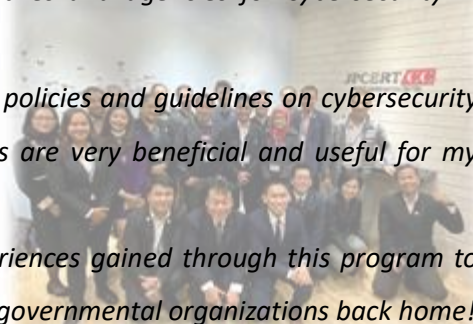
Past Program Alumni Comments

Ex-Participant from National Cyber Security Center of Myanmar

Through this KCCP, I have learned a lot about the cybersecurity policies and the role/responsibilities of concerning government ministries and agencies for cybersecurity in Japan.

Since my country still does not have good relevant policies and guidelines on cybersecurity and critical infrastructure protection, all the subjects are very beneficial and useful for my country.

I would be able to apply the knowledge and experiences gained through this program to implement and improve cybersecurity policies for our governmental organizations back home!



Ex-Participant from National Cyber and Crypto Agency of Indonesia

I learned how Japan implements cybersecurity policies, especially how each institution, including the government, carries out their role in supporting the implementation of cybersecurity in Japan. What's more interesting is, I studied with several colleagues from various countries in ASEAN. So besides Japan, I also learned how other developing countries are trying to implement cybersecurity policies in their countries.

This program is very well formulated and prepared, as we can have the whole package of learnings on cybersecurity policy implementation in ASEAN and the region, not only Japan. The participants also will build a new friendship, where we can help each other in coordinating future plans and cooperation.

I also have great experience participating in this program where I learned a lot of Japanese cultures. JICA also provides a very proper accommodation and services to make us enjoy the program.



Eligibility and Procedures

Expectations to the Applying Organizations

This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are therefore expected to use the program fully for strengthening and promoting cybersecurity measures in the country.

This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the program to meet specific requirements of participating organizations and effectively facilitate them toward solutions for the issues and problems.

Nominee Qualifications

Applying organizations are expected to select nominees who meet the following qualifications.

Essential Qualifications

- 1) **Current Duties:** be engaged in making or implementing cybersecurity policies (framework on cybersecurity, strategic planning, legal system, formulation of policy or implementation of measures etc.)
- 2) **Duty Positions:** be director/assistant director, or its equivalent
- 3) **Experience in the Relevant Field:** have good knowledge of information security technology (e.g. threats, vulnerability, ransomware, targeted attack, critical (information) infrastructure protection, IoT, ISMS etc.) and skills
- 4) **Educational Background:** be a graduate of university
- 5) **Language Proficiency:** have a competent command of spoken and written English proficiency equivalent to TOEFL iBT 100 or above (This program 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)

6) **Technical Requirements :**

a. Technology Proficiency

- Basic computer skills such as, sending/receiving email with attachments, and using a web browser.
- Online course is delivered using the following services, Web Conferences (**Google Workspace/ Google Meet**), Cloud Storage (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.

b. Internet Connection

- High Speed Broadband Connection (at least 2Mbps).
- * Internet access charge incurred for this course shall be borne by your organization.

c. 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)

d. Software (which may be required)

- **Google Workspace (account will be provided by JICA)**
- * In case you are using your office computer and use of **Google Workspace** is not authorized by your IT administrator, please notify JICA at the time of application.

7) **Health:** must be in good health to participate in the program. To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History (QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION of the application form) if you have been a patient of following illnesses; Hypertension / Diabetes / Cardiovascular illness / Heart failure / Chronic respiratory illness.

Recommended Qualifications

Expectations for the Participants

Age: between the ages of twenty-five (25) and fifty (50) years

Gender Consideration: JICA promotes gender equality. Women are encouraged to apply for the program.

Required Documents for Application

- (1) **Application Form:** The Application Form is available at **the JICA overseas office (or the Embassy of Japan)**
 - * If you have any difficulties/disabilities which require assistance, please specify necessary assistances in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-(c)) of the application form. Information will be reviewed and used for reasonable accommodation.
- (2) **Photocopy of Passport:** or photocopy of other official ID to be submitted to clarify your name notation.
 - *The following information should be included in the photocopy:
 - Name, Date of Birth, Nationality, Sex, Passport Number and Expiry Date
- (3) **English Score Sheet:** to be submitted with the application form, if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)

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 September 3rd (FRI), 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 September 17th (FRI), 2021.**

Additional Document(s) to be submitted by Accepted Candidates

Inception Report -- to be submitted **by October 15th(FRI), 2021**

Accepted candidates are required to prepare an Inception Report (Please read Annex I for detailed information.) beforehand. The Inception Report should be sent to JICA, preferably by e-mail to ticttee@jica.go.jp / Udo.Atsumo@jica.go.jp

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) not to record or shoot the online programs and materials without JICA's permission,
- (5) not to engage in political activities, or any form of employment for profit,
- (6) to discontinue the program, should the participants violate the Japanese laws or JICA's regulations, or the participants commit illegal or immoral conduct, or get critical illness or serious injury and be considered unable to continue the course.
- (7) to return the total amount or a part of the expenditure for the KCCP depending on the severity of such violation, should the participants violate the laws and ordinances, and
- (8) to refund allowances or other benefits paid by JICA in the case of a change in schedule.



Administrative Arrangements

1. Organizer (JICA Center in Japan)

- (1) Center: JICA Tokyo Center (JICA TOKYO)
- (2) Program Officer: Ms. UDO Atsuko (Udo.Atsuko@jica.go.jp)

2. Implementing Partner

- (1) Name: Under Planning

3. Expenses

The following expenses will be provided by JICA:

- (1) Daily Allowances and Transportation Expenses
- (2) Expenses for program implementation, including materials

4. Reference Information

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
French ver.	https://www.youtube.com/watch?v=v2yU9lSYcTY
Spanish ver.	https://www.youtube.com/watch?v=m7l-WlQSDjl



Russian ver.	https://www.youtube.com/watch?v=P7_ujz37AQc
Arabic ver.	https://www.youtube.com/watch?v=1iBQgdpXQb4
Part II: Introduction of JICA Centers in Japan	
JICA Tokyo	https://www.jica.go.jp/tokyo/english/office/index.html



Annex I

For Accepted Participants Only

Inception Report

1. Objectives:

The aim of Inception Report is to share the current situation and issues of cybersecurity policy & measures in participant's organization or country with other participants.

Moreover, Inception Report will help concerned partners and lecturers to know the details of participant's professional career, present challenges and expectation toward the program.

1. Presentation:

Participant will deliver a presentation at the beginning of the program. Please note that you may include the contents below in your materials (**Power Point, maximum 10 slides**) and presentation.

- (1) Role of your organization
- (2) Formulation, policies & activities on cybersecurity in your country
 - Legislation & regulation
 - Initiatives (strategy, policy or guidelines)
 - Activities (CII, ISO/ ITEC 27001 certification, capacity building, cooperation Framework, cybersecurity, etc.)
- (3) Issues
 - Current efforts, challenges or issues in cybersecurity measures
 - Your specific interests, concerns or expectations toward the program

***Due date for submission: October 15th (FRI), 2021.**

(To: tictree@jica.go.jp / Udo.Atsuko@jica.go.jp)

* Participants from the same country/organization will be requested to make a joint presentation.



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 courses 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 from a process of adoption and adaptation, 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.



JICA Knowledge Co-Creation Program (Group and Region Focus)

**Capacity Building in International Law and Policy Formation for
Enhancement of Measures to Ensure Cybersecurity**

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.



Correspondence

For enquiries and further information, please contact the JICA office or Embassy of Japan.

Further, address correspondence to:

JICA Tokyo Center (JICA Tokyo)

Address: 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan

TEL: +81-3-3485-7051 FAX: +81-3-3485-7904

("81" is the country code for Japan, and "78" is the local area code)