



Face-to-Face (in Japan)

Knowledge Co-Creation Program (Group and Region Focus)

# Defense Practice against Cyber Attacks



Program Period:

**July 2 - July 15, 2023**

Program Number:

**No. 202208222-J001 (FY2023)**



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



# How can we ensure cyberspace security?

Gain insight required to enhance your  
incident response capabilities  
from the experts of Japan.



## Outline

This program is designed for cyber incident management specialists in government agencies/ governmental CSIRT/ national CERT to enhance their incident response capabilities and also to build network among cyber security experts.

The participants will be provided with opportunities of a series of lectures & cyber security incident handling exercises, as well as discussions and follow-up activities.

All sessions are carried out in English.

The period of the program is from July 2 to July 15, 2023.

Course Capacity: 32

## CYBERSECURITY

- ✓ Incident Handling
- ✓ APT attacks
- ✓ Critical information infrastructure
- ✓ OSINT



## 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.

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# For What?

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## Background

With the continuing rapid evolution of the internet technology, the damages and risks of cyber attacks targeting governmental organizations and private companies are increasing all over the world. Over the past several years, the number of cases of advanced persistent threat (APT) attacks has been increasing, and the damages caused by such attacks has been getting more serious. In order to enhance capability to address damages and risk from those cyber attacks, building appropriate knowledge, skills of incident handlings and networking among experts is essential.

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## Objectives

This program aims to develop human resources who understand necessary organizations, functions, technologies, process and human resources for cyber security incident response,

particularly against advanced persistent threat (APT), though lectures on recent cyber security measures and incident handling exercises.

# To Whom?

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## Job Areas and Organizations

This program is designed for cyber incident management specialists of government agencies, government CSIRTs (Computer Security Incident Response Teams), or national CERTs (Computer Emergency Response Teams).

*\*Find the further Nominee Qualifications on page 11-12.*

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## Targeted Countries

Armenia, Botswana, Egypt, Georgia, Indonesia, Iran, Iraq, Kiribati, Micronesia, Moldova, Nauru, Nigeria, Pakistan, Rwanda, Tunisia, Ukraine, Vanuatu and Viet Nam

# When?      Where?

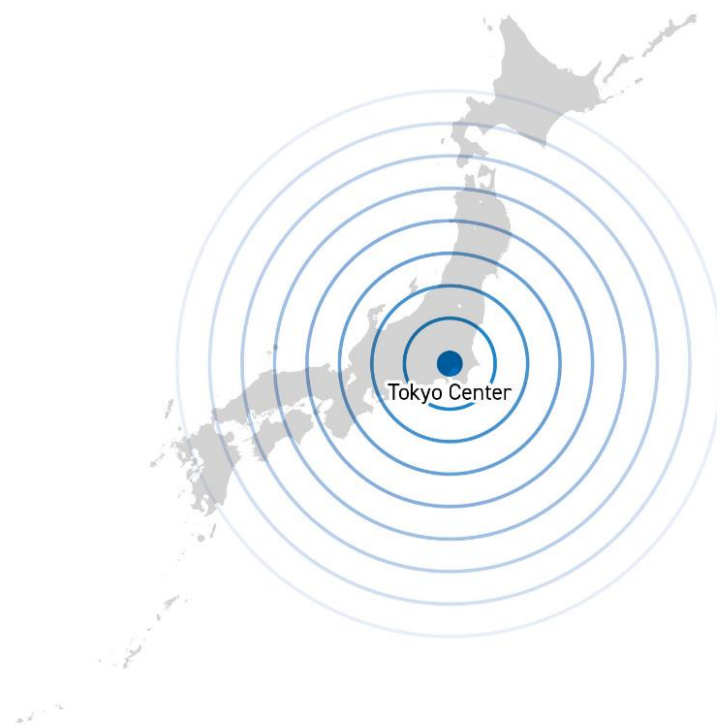
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## Program Period



From July 2 (Sun), 2023  
to July 15 (Sat), 2023

This program is carried out **in Japan**, organized by JICA Tokyo Center. You can enjoy not only face-to-face learning experience with other participants from all over the world, but also cultural experience through your stay in Japan!



# How?

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## How to Learn

- Online Self-Study
- Lecture
- Exercise
- Site Visit
- Workshop & Discussion
- Presentation



Study



Experience



Discuss



Interact



Present

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## Language

English

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## Commitment to the SDGs

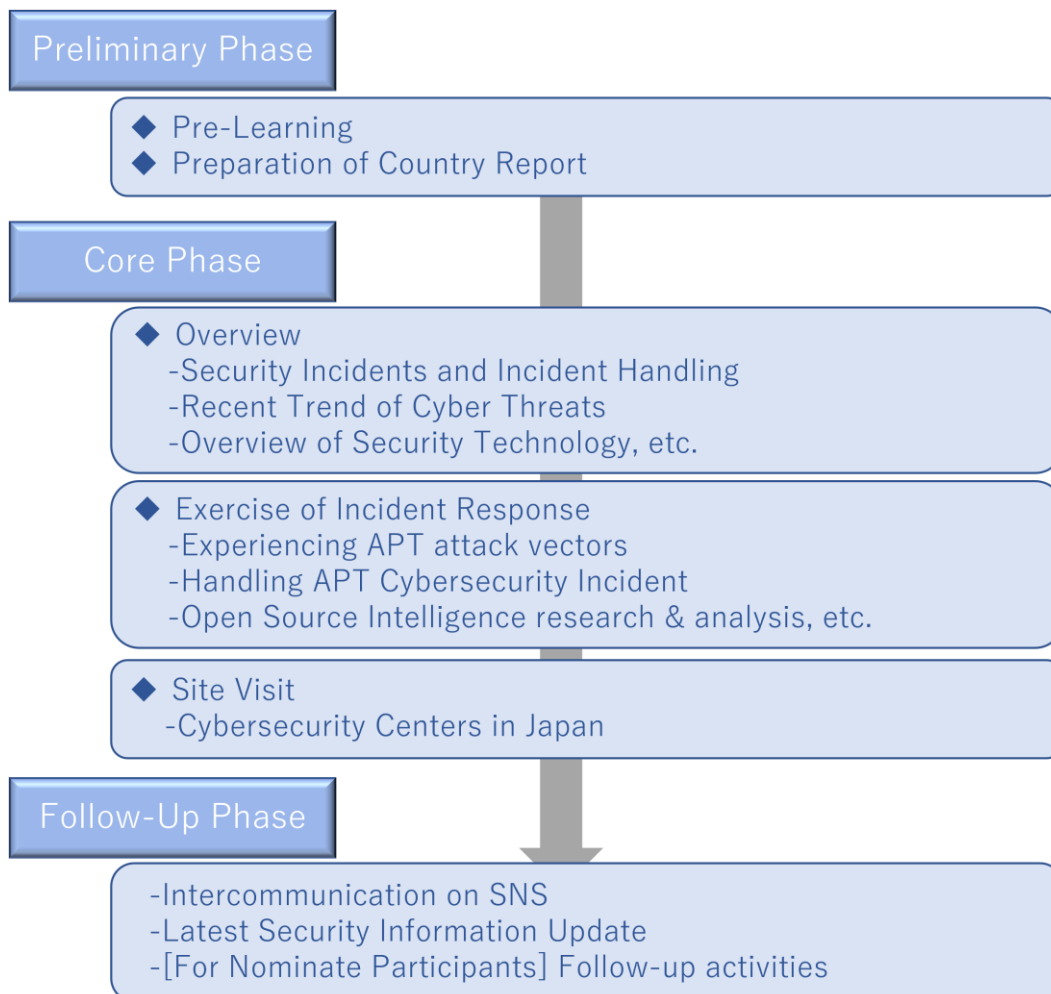




## Program Contents & Expected Outputs

Following diagram illustrates the program curriculum.

(\*The contents may be subject to minor change.)



At the completion of this program, the participants should be able to

- ✓ Understand recent trends in cyber attacks and countermeasures,
- ✓ Understand procedures of incident handling,
- ✓ Propose action plan for improvement of incident handling response in your organization.

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## Instructors

### Mr. Tsutomu Shimizu

Manager, Threat Intelligence Center,  
Trend Micro Incorporated

Message: We are delighted to welcome you all to our training programs. Under our corporate vision of "making the world safe to exchange digital information", Trend Micro have been standing strong against cyber threat since its foundation. We would like to contribute more on developing your capabilities to battle against cyber threats by sharing our knowledge & experiences. Looking forward to seeing you at the course!!



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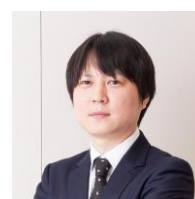
## Implementing Partners

### Mr. Yoshinori Enoki

Senior Manager,  
Trend Micro Incorporated

Message: Trend Micro is a leading cyber security company headquartered in Japan. We would like to contribute to your development of cybersecurity related capabilities through training programs, derived from our experiences of battling against cyber threats.

We hope to help enriching your cybersecurity knowledge as well as to experience Japanese culture.



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## Program Officers

### Ms. UDO Atsuko

Program Officer, Tokyo Center,  
Japan International Cooperation Agency (JICA)

Message: Hello, friends! Have you ever experienced Knowledge Co-Creation with other countries' friends on Cybersecurity? In this program, you can acquire latest and practical learning through a series of lectures and hands-on exercises to enhance your incident response capabilities. You can also enjoy our networking with other countries' cyber security experts. Looking forward to meeting you in Japan!



### Ms. KAWAI Risa

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

Message: Hello, everyone! In this program, you will learn the latest trends in cyber security and hands-on cyber incidents management training from the leading Cybersecurity company. Additionally, you will meet trainees from the world. Why don't we join this program, update your skill, and share your experience for your colleague? We might think this course will be a brilliant experience for you. We are waiting for you here in Japan!



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## Voice from Past Program Alumni

 **Mr. Yan Maraden, Ex-Participant from Indonesia**

*I am honored to be able to participate in Knowledge Co-Creation Program “Defense Practice against Cyber Attacks” organized by JICA. This program is designed to allow participants from different countries to collaborate and share their thoughts and ideas about cybersecurity practices in their home country.*

*Through this program, I also have learned a lot of things about cybersecurity from security incident handling to advanced security threats. Even though the program only offered online due to the COVID-19 pandemic, it is still very effective way to share, to teach and to learn about Defense Practice against Attacks.*

*I personally obtained so many useful knowledge and resources that I can share with my students in the class at Universitas Indonesia. Through this program, me and other participants, we can raise level of awareness and understanding about different kinds of cyberattacks and defense at our own respective institutions.*

*I hope more participants of this program not only can obtain valuable information and knowledge about cybersecurity but also maintain the multinational networking, getting ready to collaborate across border and countries, as cyberattacks cannot be handled with just by one entity but by collective cooperation between countries. Stronger Together!*

# Eligibility and Procedures

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## 1. Expectations to the Applying Organizations

- (1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Applying organizations are therefore expected to use the program fully for strengthening and promoting cybersecurity measures in the country.
  - (2) 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 applying organizations and effectively facilitate them toward solutions for the issues and problems.
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## 2. Nominee Qualifications

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

### (1) Essential Qualifications

- 1) **Current Duties:** currently be a cyber incident management specialist on a governmental CSIRT (Computer Security Incident Response Team) or a national CERT (Computer Emergency Response Teams) or working in an ICT system administration department or section.
- 2) **Experience in Relevant Field:** have basic knowledge of cyber security terminology and basic skills for server and network operations.
- 3) **Educational Background:** be a graduate of university, or its equivalent.
- 4) **Language Proficiency:** have a competent command of spoken and written English proficiency. (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.)

- 5) **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.

## (2) Recommended Qualifications

- 1) **Age:** between the ages of twenty-five (25) and fifty (50) years
- 2) **Gender Equality and Women's Empowerment:** Women are encouraged to apply for the program. JICA is committed to promoting gender equality and women's empowerment, and provides equal opportunities for all applicants regardless of their sexual orientation or gender identity.

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## 3. 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
- (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)
- (4) **Questionnaire:** to be submitted online by making access to the URL below.  
URL: <https://reg26.smp.ne.jp/regist/is?SMPFORM=pco-oglbq-dd55d50dcb5f2c0880af0a50440fcc27>



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## 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 May 8<sup>th</sup> (MON), 2023**)

### (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 May 22<sup>nd</sup> (MON), 2023**.

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## 5. Additional Document(s) to be submitted by Accepted Candidates

**Country Report** -- to be submitted **by June 23<sup>rd</sup> (FRI), 2023**

Accepted candidates are required to prepare a Country Report (Please read Annex III for detailed information). The Country Report should be sent to JICA, preferably by e-mail to [ticttee@jica.go.jp](mailto:ticttee@jica.go.jp) / [Udo.Atsumo@jica.go.jp](mailto:Udo.Atsumo@jica.go.jp)

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## 6. Conditions for Participation

The participants of KCCP are required

- (1) to strictly observe the course schedule,
- (2) not to change the air ticket (and flight class and flight schedule arranged by JICA) and lodging by the participants themselves,
- (3) to understand that leaving Japan during the course period (to return to home country, etc.) is not allowed (except for programs longer than one year),
- (4) not to bring or invite any family members (except for programs longer than one year),
- (5) 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,
- (6) to observe the rules and regulations of the program implementing partners to provide the program or establishments,
- (7) not to engage in political activities, or any form of employment for profit,
- (8) 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. The participants shall be responsible for paying any cost for treatment of the said health conditions except for the medical care stipulated in (3) of "3.Expenses", "Administrative Arrangements",
- (9) 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,
- (10) not to drive a car or motorbike, regardless of an international driving license possessed,
- (11) to observe the rules and regulations at the place of the participants' accommodation, and
- (12) to refund allowances or other benefits paid by JICA in the case of a change in schedule.

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## 7. Completion Requirement

Certificate of Completion will be presented by JICA when the requirements below is completed. The participants of KCCP are required

- (1) to attend 70% of the program,
- (2) to submit all the assignment (reports and questionnaire) as requested by JICA.



# Administrative Arrangements

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## 1. Organizer (JICA Center in Japan)

- (1) **Center:** JICA Tokyo Center (JICA TOKYO)
  - (2) **Program Officer:** Ms. UDO Atsuko ([Udo.Atsuko@jica.go.jp](mailto:Udo.Atsuko@jica.go.jp))
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## 2. Implementing Partner

- (1) **Name:** Trend Micro Inc.
  - (2) **URL:** [https://www.trendmicro.com/en\\_us/business.html](https://www.trendmicro.com/en_us/business.html)
  - (3) **Remarks:** Trend Micro, a global cybersecurity leader, helps make the world safe for exchanging digital information. Fueled by decades of security expertise, global threat research, and continuous innovation, our cybersecurity platform protects 500,000+ organizations and 250+ million individuals across clouds, networks, devices, and endpoints.
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## 3. Expenses

The following expenses in Japan will be provided by JICA:

- (1) Allowances for meals, living expenses, outfits, and shipping and stopover.
- (2) Expenses for study tours (basically in the form of train tickets).
- (3) Medical care for participants who become ill after arriving in Japan (the costs related to pre-existing illness, pregnancy, or dental treatment **are not included**).
- (4) Expenses for program implementation, including materials.
- (5) For more details, please see “III. ALLOWANCES” of the brochure for participants titled “KENSU-IN GUIDE BOOK,” which will be given before departure for Japan.

\*Link to JICA HP (English):

[https://www.jica.go.jp/english/our\\_work/types\\_of\\_assistance/tech/accept](https://www.jica.go.jp/english/our_work/types_of_assistance/tech/accept)

## 4. Pre-departure Orientation

A pre-departure orientation will be held at respective country's JICA overseas office (or the Japanese Embassy), to provide Participants with details on travel to Japan, conditions of the course, and other matters.

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	<a href="https://www.youtube.com/watch?v=SLurfKugrEw">https://www.youtube.com/watch?v=SLurfKugrEw</a> 
Part II: Introduction of JICA Centers in Japan	
JICA Tokyo	<a href="https://www.jica.go.jp/tokyo/english/office/index.html">https://www.jica.go.jp/tokyo/english/office/index.html</a>  <a href="https://www.youtube.com/watch?v=qUsxpNG5p4E">https://www.youtube.com/watch?v=qUsxpNG5p4E</a> 

## 5. Reference

### PDF: KENSHU-IN GUIDE BOOK

For more detailed terms and conditions

[https://www.jica.go.jp/english/our\\_work/types\\_of\\_assistance/tech/acceptance/training/c8h0vm0000011i07-att/guide\\_en.pdf](https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/c8h0vm0000011i07-att/guide_en.pdf)



### Website: JICA

[https://www.jica.go.jp/english/our\\_work/types\\_of\\_assistance/tech/acceptance/training/index.html](https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/index.html)



# Annex I

## Expected Target Organizations

No	COUNTRY	ORGANIZATION
1	Armenia	The Ministry of High-Tech Industry
2	Botswana	Ministry of Transport and Communications
3	Egypt	Ministry of Communications and Information Technology
4	Georgia	Ministry of Economy and Sustainable development
5	Indonesia	Ministry of Communication and Information Technology National Cyber and Crypto Agency
6	Iran	Ministry of information and Communications Technology
7	Iraq	Ministry of Science and Technology
8	Kiribati	Ministry of Information, Communications and Transport
9	Micronesia	Department of Transportation, Communications and Infrastructure
10	Moldova	Ministry of information Technology and Communications
11	Nauru	Department of ICT
12	Nigeria	Federal Ministry of Information and culture
13	Pakistan	Ministry of Information Technology and Telecommunication, Intelligence Bureau
14	Rwanda	Ministry of ICT and Innovation
15	Tunisia	Ministry of Information and Communication Technologies
16	Ukraine	The State Service of Special Communications and Information Protection of Ukraine, State Border Guard Service of Ukraine, State scientific and research institute of cybersecurity and information protection, Security service of Ukraine
17	Vanuatu	Ministry of Foreign Affairs, External Trade and Telecommunications
18	Viet Nam	Authority of Information Security, Ministry of Information and Communications Vietnam Computer Emergency Response Team

# Annex II

## Tentative Program Schedule

(The contents are subject to change)

DAY	CATEGORY	CONTENTS
July 3 <sup>rd</sup>	Administration	JICA Briefing
	Administration	Examination to measure current skill level
	Administration	Program orientation
July 4 <sup>th</sup>	Lecture	Overview of security technology
July 5 <sup>th</sup>	Hands-on Exercise	Cyber Range 1: APT attack vectors
July 6 <sup>th</sup>	Hands-on Exercise	Cyber Range 1: APT attack vectors
July 7 <sup>th</sup>	Hands-on Exercise	Cyber Range 2: Handling APT cyber security incident
July 8 <sup>th</sup>		Day off
July 9 <sup>th</sup>		Day off
July 10 <sup>th</sup>	Hands-on Exercise	Cyber Range 2: Handling APT cyber security incident
July 11 <sup>st</sup>	Lecture & Visit	Security incidents and incident handling
July 12 <sup>nd</sup>	Hands-on Exercise	Open Source Intelligence research and analysis
July 13 <sup>st</sup>	Lecture	Recent trend of cyber threats
	Lecture & Visit	APT cyber threat update
July 14 <sup>th</sup>	Administration	Trend Micro Certification Examination
	Administration	Assessment examination
	Administration	Introduction to follow up phase
	Administration	Questionnaire
	Administration	Feedback session & Closing ceremony

# Annex III

*For Accepted Participants Only*

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## Country Report

### 1. Objectives:

The aim of Country Report is to share the current situation and issues of cybersecurity incidents in participant's organization or country with Japanese experts and other participants.

### 2. Presentation:

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

The detailed format of presentation will be shared to accepted participants after notification of acceptance later.

- (1) Personal introduction & career history
- (2) Roles of your organization
- (3) Cybersecurity implementation & Security information sharing system in your country
- (4) Current situations & issues/challenges on Cybersecurity
- (5) Expectations toward the program

**\*Due date for submission: JUNE 23<sup>rd</sup> (FRI), 2023.**

(To: [ticttee@jica.go.jp](mailto:ticttee@jica.go.jp) / [Udo.Atsuko@jica.go.jp](mailto:Udo.Atsuko@jica.go.jp))

# 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.



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)