

JPCERT/CC Activities Overview

April 1, 2019 ~ June 30, 2019



JPCERT Coordination Center
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Activity Overview Topics**– Topic 1 – "IoT Security Check List" published**

JPCERT/CC has published an "IoT Security Check List," which lists security functions that should be implemented on IoT devices and systems so that they can be operated safely even in an environment where threats exist. The list is intended to be used when developing an IoT device or when deploying an IoT system.

IoT, or distributed systems for collecting information regarding the state of a physical object and controlling the object to change its state based on the collected information, has been drawing attention in recent years, and it is said that IoT and the constituent devices will keep growing.

Most IoT devices are constantly connected to a network, and in many cases, numerous IoT devices of the same model are connected to a network, which makes it difficult to ensure security control of individual IoT devices. Moreover, developers of IoT devices often put too much focus on creating new functions and forget to work on security design.

When users build a system using IoT devices, it is important to select constituent products that provide necessary security features. If users select an inappropriate product, it could be subject to cyber attacks, preventing the system from operating as expected or enabling the system to be used as a springboard for cyber attacks against third parties.

This document lists 39 security functions that should be implemented so that IoT devices can be operated safely even in an environment where threats exist, including the reasons why they are necessary. By using this check list to evaluate an IoT system or device that is under development or planned to be deployed, it is possible to quickly determine whether the functions necessary to ensure security of the IoT system are provided, and identify any matters that need further consideration. JPCERT/CC hopes that this document will serve as a useful tool in checking security functions when planning to develop or deploy an IoT system or device.

IoT Security Check List (Japanese)

<https://www.jpCERT.or.jp/research/IoT-SecurityCheckList.html>

— Topic 2— **Cybersecurity Council activities started**

In April 2019, the Cybersecurity Council was inaugurated following the enactment of the Act for Partial Revision of the Basic Act on Cybersecurity, with the aim of sharing information related to cyber attacks and cooperating between the private and public sectors.

As a designated corporation under Cabinet Order, JPCERT/CC will serve as the secretariat of the Council jointly with the National center of Incident readiness and Strategy for Cybersecurity (NISC). Specifically, JPCERT/CC will be responsible for creating and operating an environment for smooth information sharing through communication and coordination between members of the Council and other parties concerned.

A designated corporation under Cabinet Order is defined in Article 31, paragraph (1), item (ii) of the Basic Act on Cybersecurity (Act No. 104 of 2014) as "a corporation designated by Cabinet Order as possessing sufficient technological capabilities and expert knowledge and experience regarding communication and coordination with domestic and foreign parties concerned in the event of cybersecurity-related incidents, and being capable of fulfilling said functions without fail," and JPCERT/CC is designated in Article 5 of the Order for Enforcement of the Basic Act on Cybersecurity (Cabinet Order No. 400 of 2014).

Through these activities as well, JPCERT/CC will actively work to improve cyber security activities and make contributions.

The Basic Act on Cybersecurity (Japanese)

https://elaws.e-gov.go.jp/search/elawsSearch/elaws_search/lsg0500/detail?lawId=426AC1000000104

Order for Enforcement of the Basic Act on Cybersecurity (Japanese)

https://elaws.e-gov.go.jp/search/elawsSearch/elaws_search/lsg0500/detail?lawId=426CO0000000400