JPCERT/CC Activities Overview

January 1, 2021 ～ March 31, 2021

JPCERT Coordination Center
April 15, 2021

![JPCERT/CC]

Activity Overview Topics

－Topic 1－ "2019-2020 ICS Security Assessment Report" released

On March 23, 2021, JPCERT/CC released the "2019-2020 ICS Security Assessment Report." JPCERT/CC has conducted trials of Industrial Control System (ICS) security assessment mainly targeting Japanese manufacturers, with the aim of understanding the state of security measures implemented by ICS operating in Japan and studying future support measures. Insights obtained through this assessment were put together into a report after anonymizing the data so that they can be widely shared among ICS users in Japan.

The assessment was conducted from multiple perspectives that can be grouped into 6 categories: risk management and control, network measures and monitoring, host security and access control, physical security, and supply chain management. The report lists noteworthy findings about the state of measures at organizations in each category. It also discusses how the mindset changed at each organization after the assessment was conducted, as well as the results of interviews on the state of efforts to implement measures and any issues faced in the process. These findings show that assessment is an effective tool to use when organizations tackling ICS security measures for the first time want to clarify issues, and when organizations that have implemented measures to a certain extent want to understand where they stand from an objective point of view.

We hope that this report will provide useful hints and insights to organizations that are wondering where they should start in implementing ICS security measures, or how they can take their existing measures to the next level.

2019-2020 ICS Security Assessment Report (in Japanese)
https://www.jpcert.or.jp/ics/document.html#ics-assessment

JPCERT/CC Eyes: 2019-2020 ICS Security Assessment Report (in Japanese)
https://blogs.jpcert.or.jp/ja/2021/03/ics-assessment-report.html

－Topic 2－ Japan Security Analyst Conference 2021 held

The Japan Security Analyst Conference 2021 (JSAC2021) was held on January 28, 2021. This conference was held with the aim of sharing information about ever-changing attack methods and new analytical techniques, to help improve the technical capabilities of security analysts who analyze and handle cyber attack incidents. This year marked the fourth conference and the first ever to be held virtually, and 360

security analysts participated. A total of 13 presentations including 2 workshops were delivered, covering topics such as technologies for incident analysis and response, including malware analysis, digital forensics, and incident handling, and providing the presenters' own new technological insights as well as information about analysis tools.

Presentation materials of JSAC2021 are available on the JSAC2021 website, and a video recording of the presentations is also available on YouTube.

An overview of the conference is also provided on JPCERT/CC Eyes.

After the event, program selection committee members rated the presentations, taking into consideration the results of questionnaires submitted by the participants, and the following presenters who received the highest rating were presented with the Best Speaker Award.

Title: A Certain Emotet Campaign -Impact in Japan-
Speaker: Ken Sajo (JPCERT/CC),　Shuhei Sasada (Cyber Defense Institute Inc.)

JPCERT/CC will continue to provide information and engage in activities that are useful to experts who analyze and handle incidents.

Japan Security Analyst Conference 2021
https://jsac.jpcert.or.jp/en/index.html

JPCERT/CC Eyes：Japan Security Analyst Conference 2021 -1stTrack-
https://blogs.jpcert.or.jp/en/2021/03/jsac2021report3.html

JPCERT/CC Eyes：Japan Security Analyst Conference 2021 -2nd Track-
https://blogs.jpcert.or.jp/en/2021/02/jsac2021report2.html

JPCERT/CC Eyes：Japan Security Analyst Conference 2021 -3rd Track-
https://blogs.jpcert.or.jp/en/2021/02/jsac2021report1.html

JPCERT/CC Official YouTube channel
https://www.youtube.com/playlist?list=PLgEi6O-lWUIYt_UVpdZ-yNT-aNkC9ORbR

－Topic 3－ ICS Security Conference 2021 held

On February 12, 2021, ICS Security Conference 2021 was held online, attracting approximately 400 participants. Following the opening remarks by Junichi Eguchi, Deputy Director-General for Cybersecurity and Information Technology Management at the Ministry of Economy, Trade and Industry, which co-

hosted the event, 6 presentations were given, including 2 that were submitted in response to a call for papers. In addition to the annual review that is presented each year, presenters discussed the following topics: security risks revealed through verification tests of attack scenarios in an environment simulating a smart factory, penetration tests conducted to examine the security of the ICS of vessels, issues faced by organizations using ICS in formulating their own ICS security policy and suggestions for possible solutions, and design issues in ensuring the safety and security of embedded products from the perspective of designing safe smart home appliance products.

According to the questionnaire survey conducted after the event (260 responses received), the participants represented a diverse mix of professionals: 33.8% ICS users, 13.8% ICS vendors, 9.6% ICS equipment vendors, 10.8% ICS engineering firms and 10.4% researchers. We are seeing a growing proportion of ICS users, which attests to the increasing security awareness among system users. Another point to note is that while a majority of the participants came from the Greater Tokyo Area, there was participation from 31 prefectures this year, thanks in large part to the decision to conduct the conference virtually. There have always been requests for the conference to be held in local regions of the country, and the virtual conference held this year as a measure against Covid-19 happened to provide new opportunities for participation.

JPCERT/CC Eyes：ICS Security Conference 2021
https://blogs.jpcert.or.jp/en/2021/04/ics-conference2021.html