

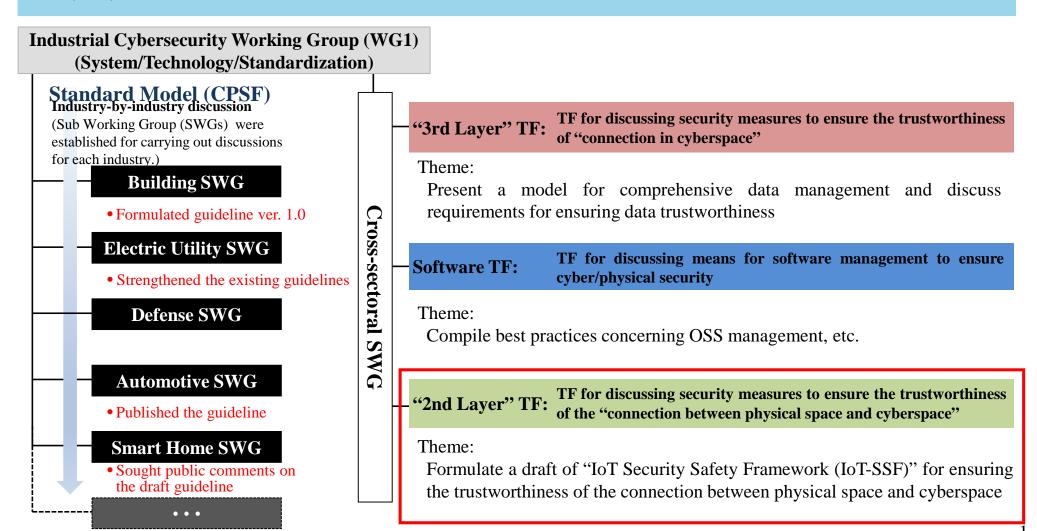
Outline of the IoT Security Safety Framework (IoT-SSF)

November 5, 2020

Cybersecurity Division, Commerce and Information Policy Bureau, Ministry of Economy, Trade and Industry

Status of Discussions by Theme-specific TFs

- In April 2019, the Cyber/Physical Security Framework (CPSF) was formulated.
- In order to promote specification and implementation of security measures based on the CPSF, **Task Forces** (**TFs**) focused on each theme **have held discussions**.

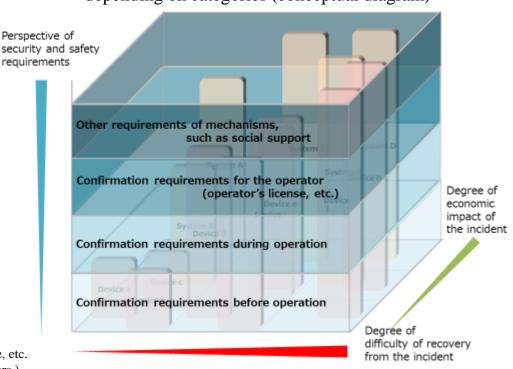


IoT Security Safety Framework (IoT-SSF)

- In "Society 5.0" and "Connected Industries" where cyberspace and physical space are highly integrated, it is extremely important to secure the accurate conversion of information at the border between cyberspace and physical space, i.e., the accuracy of transcription and translation.
- Focusing on the fact that problems vary depending on the nature of IoT devices and systems and the usage environment, METI categorized IoT devices and systems depending on risks and formulated the IoT Security Safety Framework (IoT-SSF) that will contribute to the discussions on security safety requirements for each category.

Categorization of devices and systems connecting physical space and cyberspace (conceptual diagram)

Degree of System A System D economic impact of the incident System C System E System B Device e Device h Device f Device b Device d Device a Device i Device g Device c difficulty of recovery Perspectives of security safety requirements depending on categories (conceptual diagram)



^{*} Mapping destinations of the same device or system may vary depending on the mode of use, etc. (For example, "Device g" and "Device h" may be the same device but their mode of use differs.)

Public Comments on the Draft of "IoT Security Safety Framework (IoT-SSF)"

- METI sought public comments on the draft of "**IoT Security Safety Framework (IoT-SSF**)" from March 31 to June 24, 2020.
- The Framework also attracted attention from overseas, and METI sought public comments in English as well.
- About 100 comments were received from 15 domestic and 10 overseas organizations and individuals.

Major comments

- (i) Comments on the concept or scope of the IoT-SSF
- (ii) Comments on the categorization of IoT devices and systems based on risks
- (iii) Comments on perspectives of security safety requirements
- (iv) Comments on specific implementation and requirements
- (v) Comments on interoperability with other international standards and guidelines
- (vi) Comments on definition of terms
- (vii) Comments on future initiatives