

Labeling Scheme based on Japan Cyber-Security Technical Assessment Requirements (JC-STAR) Scheme Document (tentative)

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JSS-01

Information-technology Promotion Agency, Japan (IPA)

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Labeling Scheme based on Japan Cyber-Security Technical Assessment Requirements (JC-STAR) Scheme Document

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Chapter 1 General Provisions

1.1 Purpose of this Scheme Document

This Scheme Document prescribes the Labeling Scheme based on Japan Cyber-Security Technical Assessment Requirements (JC-STAR) (hereinafter referred to as “**this Scheme**”) operated by the Information-technology Promotion Agency, Japan (hereinafter referred to as “**IPA**”) and basic matters related to this Scheme that need to be complied with mainly by suppliers, users of IoT products, and personnel engaged in the operation of this Scheme pursuant to the Act on Facilitation of Information Processing (Act No. 90 of 1970), and in accordance with the provisions of Item 5, Paragraph 1 of Article 51 of the said Act, which prescribes “the conduct of evaluation for information processing systems (which means aggregates of computers and programs, which are composed for the purpose of performing information processing in an integrated manner) with the aim of ensuring the security and reliability of information processing from a technical perspective.”

1.2 Purpose of this Scheme

This Scheme was established in accordance with the “IoT Product Security Conformance Assessment Scheme Policy” (Ministry of Economy, Trade and Industry, August 2024), which requires that suppliers implement security functions that conform to the security requirements for **IoT products**, through a **self-declaration of conformance** by the supplier, implementation of a **conformance assessment/evaluation** by a third-party **Evaluation Facility**, and **certification** by a **Certification Body** (hereinafter referred to as “**conformance assessment/evaluation and certification**”). The purpose of **this Scheme** is to enable users of **IoT products** to identify that the **IoT products** are equipped with appropriate security measures in place by assigning conformance labels, based on these measures.

1.3 Principles of this Scheme

To make **this Scheme** gain the trust of users of **IoT products**, it is the supplier's responsibility to conduct a proper **conformance assessment/evaluation** in accordance with the conformance criteria, assessment/evaluation procedures and assessment/evaluation guidance (hereinafter referred to as “**conformance criteria, etc.,**”) in a case when a supplier of **IoT products** makes a **self-declaration of conformance**. When conducting third-party **conformance**

assessment/evaluation and certification, the **Evaluation Facility** and **Certification Body** shall conduct proper **conformance assessment/evaluation and certification**, based on high technical competence in accordance with the **conformance criteria, etc.**, in a fair, non-discriminatory without being influenced by commercial interests.

1.4 Definition of Terms

(1) Abbreviations

IoT Device:

Internet-capable devices or devices that can be connected to an **internal network** and have the ability to send and receive data using the Internet Protocol (IP) (devices that can be connected to other "Internet-capable devices" or "devices that can be connected to an **internal network**" and have the ability to send and receive data using IP), and for which it is difficult for users themselves to easily add security measures to the IoT device itself by installing software products, etc.

IoT Product:

A unit sold by the supplier or purchased by the user, consisting of a single **IoT device** to achieve its intended purpose, or a set of **IoT devices** and **mandatory associated services**.

Mandatory Associated Services:

A digital service that must be provided in conjunction with an **IoT device** in order for the **IoT product** to provide its intended purpose. It is provided in conjunction with the **IoT device** when the IoT device itself cannot provide the purpose intended by the IoT product.

Testing Service Provider:

Organizations that act on behalf of and support **conformance assessment** for **self-declaration of conformance** performed by suppliers of **IoT products** in accordance with the provisions of **this Scheme**.

Surveillance:

An examination for confirming the validity of the **conformance assessment/evaluation** and the contents of the labeling application, etc., or the impact of security and vulnerability on **IoT products** that have already been granted a **conformance label** in accordance with the provisions of **this Scheme**.

Self-declaration of conformance:

A statement that the supplier of the **IoT products** has conducted the **conformance assessment** of the **IoT products** in accordance with the **conformance criteria, etc.**, on their own responsibilities, in accordance with the provisions of **this Scheme**, and that the **IoT products** conform to the security requirements corresponding to the conformance assessment/evaluation level selected.

Conformance criteria:

An indicator used to determine conformance to the security requirements established as a requirement for the issuance of a conformance label.

Conformance assessment/evaluation:

Inspection of conformance to the security requirements for the **IoT products** according to **conformance criteria, etc.**, in accordance with the provisions of **this Scheme**.

Conformance Assessment/Evaluation Report:

A document issued by a third-party **Evaluation Facility** to the **Certification Body** to report the results of **conformance assessment/evaluation** by the **Evaluation Facility** in accordance with the provisions of **this Scheme**.

Conformance label:

Labels granted by the Label-issuing Body to certify the implementation of **self-declaration of conformance**, and labels granted by the **Certification Body** to certify the results of **conformance assessment/evaluation and certification** in accordance with the provisions of **this Scheme**.

Internal network:

A network separated from the Internet by gateways, firewalls, etc.

Certification:

Verification by the **Certification Body** that a **conformance assessment/evaluation** has been conducted on the **IoT products** by the third-party **Evaluation Facility** and that the results of the **conformance assessment/evaluation** conform to the security requirements corresponding to the conformance assessment/evaluation level selected by the supplier of the **IoT products** in accordance with the provisions of **this Scheme**.

Certification Body:

An organization that conducts **certification** of **IoT products** and issues **conformance labels** in accordance with the provisions of **this Scheme**.

Evaluation Facility:

An organization that conducts **conformance assessment/evaluation** of **IoT products** and creates the **Conformance Assessment/Evaluation Report** in accordance with the provisions of **this Scheme**.

Label-issuing Body:

An organization that issues **conformance labels** for **IoT products** upon application for **self-declaration of conformance** from the supplier of the **IoT products** in accordance with the provisions of **this Scheme**.

Conformance assessment/evaluation level:

Indicators that show differences in **conformance criteria, etc.**, required for the **IoT products** due to differences in assumed threats to **IoT products** and assets to be protected.

Chapter 2 Structure of Scheme

2.1 Documentation Related to this Scheme

The documentation related to **this Scheme** is shown as follows:

A document that prescribes basic details related to **this Scheme** that suppliers and users of **IoT products** as well as personnel engaged in the operation of **this Scheme** need to comply with.

<Scheme Document for Labeling Scheme based on Japan Cyber-Security Technical Assessment Requirements (JC-STAR) >	
Labeling Scheme based on Japan Cyber-Security Technical Assessment Requirements (JC-STAR) Scheme Document (JSS-01)	“Scheme Document”

A document that prescribes details that members of the **Certification Body** and the **Label-issuing Body** need to comply with.

<Document related to the operation of certification and label-issuing services>	
Organization and Operational Manual for Certification Body and Label-issuing Body under Labeling Scheme based on Japan Cyber-Security Technical Assessment Requirements (JSM-01)	“Operational Manual”

A document that prescribes details that suppliers of **IoT products** that apply for **conformance labels** need to comply with.

<Document related to label acquisition>	
Requirements for Security Requirement Conformance Assessment/ Evaluation, Certification and Label Acquisition (JSM-02)	<i>“Requirements for Label acquisition”</i>

A document that prescribes details that personnel that apply for approval of **Evaluation Facility** need to comply with.

<Document related to approval of Evaluation Facility>	
Requirements for Approval of Evaluation Facility under Labeling Scheme based on Japan Cyber-Security Technical Assessment Requirements (JSM-03)	<i>“Requirements for Evaluation Facility”</i>

Note 1: Terms in double quotation indicate abbreviations.

Note 2: Symbols consisting of three letters in the above parenthesis are derived from the following:

JSS... Jc-Star Scheme

JSM... Jc-Star Management system

2.2 Participants in the Scheme

Participants in **this Scheme** are prescribed as follows.

2.2.1 Applicant

An applicant in this Scheme is an entity that applies for **Conformance labels** based on **self-declaration of conformance** or **Conformance Assessment/Evaluation and Certification** in accordance with the ***“Requirements for Security Requirement Conformance Assessment/Evaluation, Certification and Label Acquisition (JSM-02)”*** (hereinafter referred to as the ***“Requirements for Label Acquisition (JSM-02)”***).

2.2.2 Evaluation Facility

An **Evaluation Facility** in **this Scheme** is an organization that conducts **Conformance Assessment/Evaluation** of the **IoT Products** and creates the **Conformance Assessment/Evaluation Report**. An **Evaluation Facility** shall be accredited as an **Evaluation Facility** of **this Scheme** by the **Accreditation Body**, and it shall obtain approval from the **Certification Body** in accordance with the procedure prescribed in the ***“Requirements for Approval of Evaluation Facility under Labeling Scheme based on Japan Cyber-Security Technical Assessment Requirements (JSM-03)”*** (hereinafter referred to as the ***“Requirements for***

Evaluation Facility (JSM-03)”).

2.2.3 Certification Body

The **Certification Body** in **this Scheme** is the organization that is established within **IPA** and conducts **Certification** and grants **Conformance labels** based on results of the **conformance assessment/evaluation** conducted by **Evaluation Facilities** in accordance with the provisions of **this Scheme**. The **Certification Body** shall construct the structure and operate the Scheme to satisfy the requirements prescribed in JIS Q 17065.

2.2.4 Label-issuing Body

The **Label-issuing Body** in **this Scheme** is the organization that is established within **IPA** and grants **conformance labels** based on the applications of the **self-declaration of conformance** from applicants in accordance with the provisions of **this Scheme**. The **Label-issuing Body** shall construct the structure and operate the Scheme in order to issue **conformance labels** within a reasonable amount of time, in accordance with the provisions of **this Scheme**.

2.2.5 Accreditation Body

The Accreditation Body is the organization that accredits **Evaluation Facilities** in **this Scheme** in accordance with JIS Q 17025 or ISO/IEC 17025.

Chapter 3 Self-declaration of Conformance, Conformance Assessment/Evaluation and Certification for Acquiring Conformance Labels

3.1 Conformance Labels through Self-declaration

3.1.1 Application

Applicants shall perform the procedures of application for acquiring **conformance labels** to the **Label-issuing Body** in accordance with the **Requirements for Label Acquisition (JSM-02)**. The **Label-issuing Body** receives applications for acquiring **conformance labels** from applicants in accordance with the “**Organization and Operational Manual for Certification Body and Label-issuing Body under Labeling Scheme based on Japan Cyber-Security Technical Assessment Requirements (JSM-01)**” (hereinafter referred to as the “**Operational Manual (JSM-01)**”).

3.1.2 Granting Conformance Labels

The **Label-issuing Body** shall create and issue **conformance labels** to **applicants**, based on the procedures of application from **applicants** in accordance with the “**Operational Manual**

(JSM-01).”

3.2 Conformance Labels through Conformance Assessment/Evaluation and Certification

3.2.1 Application

The **Applicant** shall perform the procedures of application for acquiring **conformance labels** to the **Certification Body** in accordance with the **Requirements for Label Acquisition (JSM-02)**. The **Certification Body** receives applications for acquiring **conformance labels** from applicants in accordance with the “**Operational Manual (JSM-01)**” and issues the application acceptance form to the **Applicant**.

3.2.2 Conformance Assessment/Evaluation

Evaluation Facilities perform **Conformance Assessment/Evaluation** of **IoT products** for their conformance to security requirements, based on the conformance assessment/evaluation level selected by **applicants**. **Evaluation Facilities** can request cooperation from **applicants** or external organizations if facilities are required for **Conformance Assessment/Evaluation**. **Evaluation Facilities** shall prepare the **Conformance Assessment/Evaluation Report** and submit the report to the **Certification Body**.

3.2.3 Certification and Issuance of Conformance Labels

The **Certification Body** shall conduct **certification** of the application for which the application acceptance form has been issued, based on the **Conformance Assessment/Evaluation Report** submitted by the **Evaluation Facility**, in accordance with the “**Operational Manual (JSM-01)**”, and shall create and issue **Conformance Labels** to **applicants**.

3.3 Extension of Conformance Labels Validity

An **applicant** for an **IoT product** with **Conformance Label** granted (hereinafter referred to as a “**registrant**”) can perform the procedure in accordance with the **Requirements for Label Acquisition (JSM-02)** and apply for extending the validity period of **Conformance Label** in case when maintaining effectiveness of **Conformance Label** beyond its validity period. The **Certification Body** and the **Label-issuing Body** shall extend the validity period of **Conformance Label** in accordance with the **Operational Manual (JSM-01)**.

3.4 Maintenance of Conformance Labels

A **registrant** can perform the procedure for maintaining the original effects of **Conformance Label** for a subsequent version of the **IoT product** (hereinafter referred to as the “**Successor IoT Product**”) in accordance with the **Requirements for Label Acquisition (JSM-02)**. The

Certification Body and the **Label-issuing Body** extend the validity period of **Conformance Label** in accordance with the *Operational Manual (JSM-01)*.

Note that the conditions of the **Successor IoT Product** are prescribed in the *Requirements for Label Acquisition (JSM-02)*. If the conditions of the **Successor IoT Product** are inconsistent with it, the maintenance of **Conformance Label** cannot be applied. In this case, the registrant shall apply for a new application for **Conformance Label** to be granted for the **Successor IoT Product**.

3.5 Expenses that Applicant Must Pay

Applicants shall bear expenses required for issuance of **Conformance Label**, **Conformance Assessment/ Evaluation** and **Certification**. Expenses that applicants must pay to an **Evaluation Facility** shall be determined with the agreement concluded between both parties. Expenses that need to be paid to the **Certification Body** and the **Label-issuing Body** are prescribed in the *Requirements for Label Acquisition (JSM-02)*.

3.6 Expenses that Evaluation Facility Must Pay

Evaluation Facilities shall bear expenses required for the approval of the **Evaluation Facility**. Expenses that need to be paid to the **Certification Body** are prescribed in the *Requirements for Label Acquisition (JSM-02)*.

Chapter 4 Rights and Obligations of Conformance Labels

A **registrant** has the following rights and obligations regarding an **IoT Product**.

- a) The **registrant** shall comply with the responsibilities of applicants to which a **conformance label** is granted in accordance with the *Requirements for Label Acquisition (JSM-02)*.
- b) The **registrant** can supply the **IoT Product** with a conformance label granted.
- c) The **registrant** can use the **conformance label** granted by the **Certification Body** and the **Label-issuing Body** when supplying the **IoT Product** with a conformance label granted. In this case, the registrant shall comply with the “Use of Conformance Labels” prescribed in the *Requirements for Label Acquisition (JSM-02)*.

Chapter 5 Surveillance or Revocation of Conformance Labels

5.1 Surveillance

The **Certification Body** and the **Label-issuing Body** may perform **surveillance** on the IoT products for which **conformance Labels** have been granted, in order to ensure the reliability of **this Scheme** in accordance with the *Operational Manual (JSM-01)*.

5.2 Revocation

The **Certification Body** or the **Label-issuing Body** may revoke **conformance Labels** of **IoT Products**, for which **conformance Labels** have been granted, in accordance with the **Operational Manual (JSM-01)** based on the results of **surveillance** and revocation.

Chapter 6 Miscellaneous Provisions

6.1 Confidentiality

Evaluation Facilities, the **Certification Body**, and the **Label-issuing Body** shall prevent confidential information from being transmitted to unauthorized persons during the processes of Conformance Assessment/Evaluation, Certification and granting **Conformance labels** so as not to damage the confidentiality of information. The confidentiality procedures in the **Certification Body** and the **Label-issuing Body** are prescribed in the **Operational Manual (JSM-01)**.

6.2 Prohibited Matters

Evaluation Facilities, the **Certification Body**, the **Label-issuing Body**, and personnel of these organizations shall not perform the following:

- a) Making a profit that may affect the results of **Conformance assessment/evaluation, Certification**, and granting **Conformance labels**, except for compensation for legitimate activities.
- b) Developing an **IoT product** that is a target of **Conformance assessment/evaluation, Certification**, and **Conformance Labels**.
- c) Providing consulting services to **applicants**.

Note that these consulting services do not include the integration or reorganization of many existing documents created by **applicants**, and nor does it include the exchange of opinions for the smooth operation of **conformance assessment/evaluation and certification**.

6.3 Services Required for Smooth Operation of this Scheme Conducted by the Certification Body and the Label-issuing Body

6.3.1 Preparation and Maintenance of Scheme Documentation

The **Certification Body** and the **Label-issuing Body** shall prepare, issue, distribute, revise, update and abolish Scheme Documentation that prescribes policies and rules for the purpose of operation of **this Scheme**, and interpret policies and rules of **this Scheme** as needed.

6.3.2 Issuance and Publication of Guidance

The **Certification Body** and the **Label-issuing Body** publish the operation and interpretation of the **Conformance Assessment/Evaluation** and guidance on the operation of **this Scheme, etc.**, via the website of **IPA**.

6.3.3 Interviews regarding Progress of Conformance Assessment/Evaluation

The **Certification Body** can conduct interviews regarding the progress of **Conformance Assessment/Evaluation** and details of assessment/evaluation results with respect to either an **applicant, registrant, or Evaluation Facility** or those three parties as needed. In addition, the **Certification Body** can state neutral and fair opinions with respect to either an **applicant, registrant, or Evaluation Facility** or those three parties as needed from the perspective of the operation of the Scheme.

6.4 Copyright of Conformance Labels

The **IPA** owns the copyrights regarding **Conformance Labels**. However, **registrants** are authorized to copy and distribute **Conformance Labels**, based on the "Use of **Conformance Labels**," prescribed in the **Requirements for Label Acquisition (JSM-02)**, unless the applicant copies these documents in full without processing other than changing the label to equal scale or equal enlargement.

6.5 Handling of Unauthorized Use of Conformance Labels

The **Certification Body** and the **Label-issuing Body** give instruction for improvement if they acknowledge the fact of a breach of **Conformance Labels** prescribed in the **Requirements for Label Acquisition (JSM-02)**, or if acts are recognized that seriously undermine the reliability of the **Conformance Labels**, including when a **registrant** misuses the **Conformance Labels** or their copies, or uses these materials for advertisement and explanation in such a manner that misunderstanding occurs. If the effect of an instruction for improvement is not acknowledged after an instruction for improvement is provided, the corresponding **Conformance Labels** can be revoked. More details required for revocation of the corresponding **Conformance Labels** are prescribed in the **Operational Manual (JSM-01)**.

6.6 Handling of Appeals, Complaints and Disputes

The **Certification Body** and the **Label-issuing Body** shall handle the processes related to appeals, complaints, and disputes against **this Scheme** in accordance with the procedures prescribed in the **Operational Manual (JSM-01)**. **Evaluation Facilities** shall prepare and maintain procedures of processes related to appeals, complaints, and disputes against **Conformance Assessment/**

Evaluation.

Supplementary provisions (August 22, 2024 Jo-So-Ki No. 431 of 2024, Establishment)
(Date of enforcement)

- 1 This Scheme Document shall come into effect as of August 23, 2024.