

**NEA OSS Promotion Forum
WG3**

**(Study on Standardization & Certification)
Status Report**

Our Activity in 2018

China:

- Research on the IT Governance Standard in China.
- Work Status about the IT Governance Standard.
- Standard Release.

Japan:

- OSS Risk Management Service in Fujitsu.
- Introduction of OpenChain.

Korea:

- Open Innovation Research and Development Capability Maturity Model.
- Introduction to Standardization Activities of Korean WG3.

China:

To be continued...

Japan:

- OSS Maturity Evaluation Reporting Service.

Korea:

- Open Source Software License Policy Model.

Review the WG3's Chairman's Statement and the Status report.

Sep. 13



Oct. 10



Nov. 13&14



China Member's Activity

China National Standards of IT Governance

□ Information technology service - Governance

- Part 1: General requirements
 - Prescribe the principles of IT governance, and the governance requirements for top-level design, management systems, and resources for IT technology.
- Part 2: Implementation guide
 - Define the implementation framework and process of IT governance. Clear the requirements of top-level design, management systems, and resources
- Part 3: Performance evaluation
 - IT governance performance evaluation model, evaluation factor model and evaluation method. Define the procedures for establishing an IT performance indicator system
- Part 4: Audit guidance
 - provide general, organization management, personnel, processes, reports, applicable objects and scopes

China National Standards of IT Governance

Relationship among 4 standards



Japan Member's Activity

Open Source Toral Service in Fujitsu

■ We strongly support all processes involved in OSS



Risk management services to introduce open source safely and securely

| | | | |
|---|--|---|--|
| <u>Risk Assessment</u> <ul style="list-style-type: none"> Extraction of risks Setting of goals to be aimed at customers' current operation | <u>Policy/Rule Formulation</u> | <u>Risk Management Tool Introduction</u> <ul style="list-style-type: none"> support for creating operation policy and whitelist | <u>Q&A Service</u> <ul style="list-style-type: none"> Response to various consultations on risk measures |
| | <u>Risk Management Tool Selection</u> | | |

Technical services to realize further utilization of OSS

| | | | |
|---|--|--|--|
| <u>Utilization Assessment</u> <ul style="list-style-type: none"> Formulation of OSS usage policy for each service level of the system | <u>Selection Assistance</u> <ul style="list-style-type: none"> Selecting optimal OSS according to requirements | <u>Introduction</u> on behalf of customers | <u>Technical Support</u> <ul style="list-style-type: none"> Technical QA support solution support at the time of trouble occurrence |
| | <u>Migration Assessment</u> <ul style="list-style-type: none"> Calculation of man-hours and difficulty | <u>Migration</u> on behalf of customers | |

Highly Technical Support
Highly technical support, such as troubleshooting and performance tuning

Educational services to support customers' in-house production

Training
Training courses about OSS, Skill Transfer


Example of maturity evaluation axes

| Maturity Evaluation Axes | | Detail |
|--------------------------|---------------------------------|--|
| Basic Information | License | <ul style="list-style-type: none">• License applied to that OSS.• Especially, pay attention when licensing differs depending on version or component. |
| | Official Site | <ul style="list-style-type: none">• Whether the official site exists. |
| | Repository Site | <ul style="list-style-type: none">• Whether the repository site to manage source code exists.• When the source code is released at repository site (ex. GitHub), developers and development trend can be visualized. |
| Development Trend | Developers | <ul style="list-style-type: none">• Whether the number of developers is stable.• If the number is suddenly increasing or decreasing due to acquisitions etc., follow-up observation is necessary. |
| | Influence of a specific company | <ul style="list-style-type: none">• The influence strength of a specific company.• If a specific company holds many copyrights, there is a possibility of changing development policy only with the speculation of the company. |
| | Commits | <ul style="list-style-type: none">• Whether the development itself is stable. |
| | Releases | <ul style="list-style-type: none">• Whether the OSS make releases regularly. |
| Source code quality | | <ul style="list-style-type: none">• Quality of source code itself.• Evaluate complexity etc. as metrics for measuring readability and maintainability. |
| Software quality | Correspondence to bugs | <ul style="list-style-type: none">• Whether the bugs are managed and visualized, and they are corresponded. |
| | Vulnerability | <ul style="list-style-type: none">• Whether the fixes for serious vulnerability made quickly. |
| Use trend | Technical information | <ul style="list-style-type: none">• The degree of fulfillment of the official documents, books, presentation materials, and so on. |
| | Use cases | <ul style="list-style-type: none">• Whether there are cases of introduction in companies. |

Korea Member's Activity

Open Innovation Research and Development Capability Maturity Model

- Define maturity models needed to assess R&D competency maturity and improve open innovation R&D capability.
- Capability maturity level, domain to which the maturity model process is applied, and detailed rating criteria for each domain.
- TTA: Telecommunications Technology Association

| | | |
|---------------------|--|--------------------|
| TTA Standard | 정보통신단체표준(국문표준) TTAK,KO-11.0238 | 제정일: 2018년 09월 06일 |
| | 개방형 혁신 연구개발 역량 성숙도 모델 | |
| | Open Innovation Research and Development Capability Maturity Model | |
| |  한국정보통신기술협회 Telecommunications Technology Association | |

OSS Licensing Policy Model



Business Model Based Policy Establishment

- The business model classification of software for the purpose of software development using OSS or OSS itself
- License classification according to source code open scope and business model.



Default License Selection

- Default license that reflects business model and policy



Compatibility Licenses Review

- Selection of candidates for OSS licenses compatible with default license without license conflicts



Community Compliance Policy Establishment and Management

- Compliance boards and process to ensure the license policies are properly managed by community
- Guidelines for Licensing policy and compliance

Step.1

Step.2

Step.3

Step.4

Future Works

Future Works

1. Open Innovation Research and Development Capability Maturity Model
2. Open Source Compliance Guideline for License Governance of Software Supply Chain Management
3. Open Source Software License Policy Standard Model

Thank you !