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.

Sep. 13

China:
To be continued...

Japan:
- OSS Maturity Evaluation Reporting Service.

Korea:
- Open Source Software License Policy Model.

Oct. 10

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

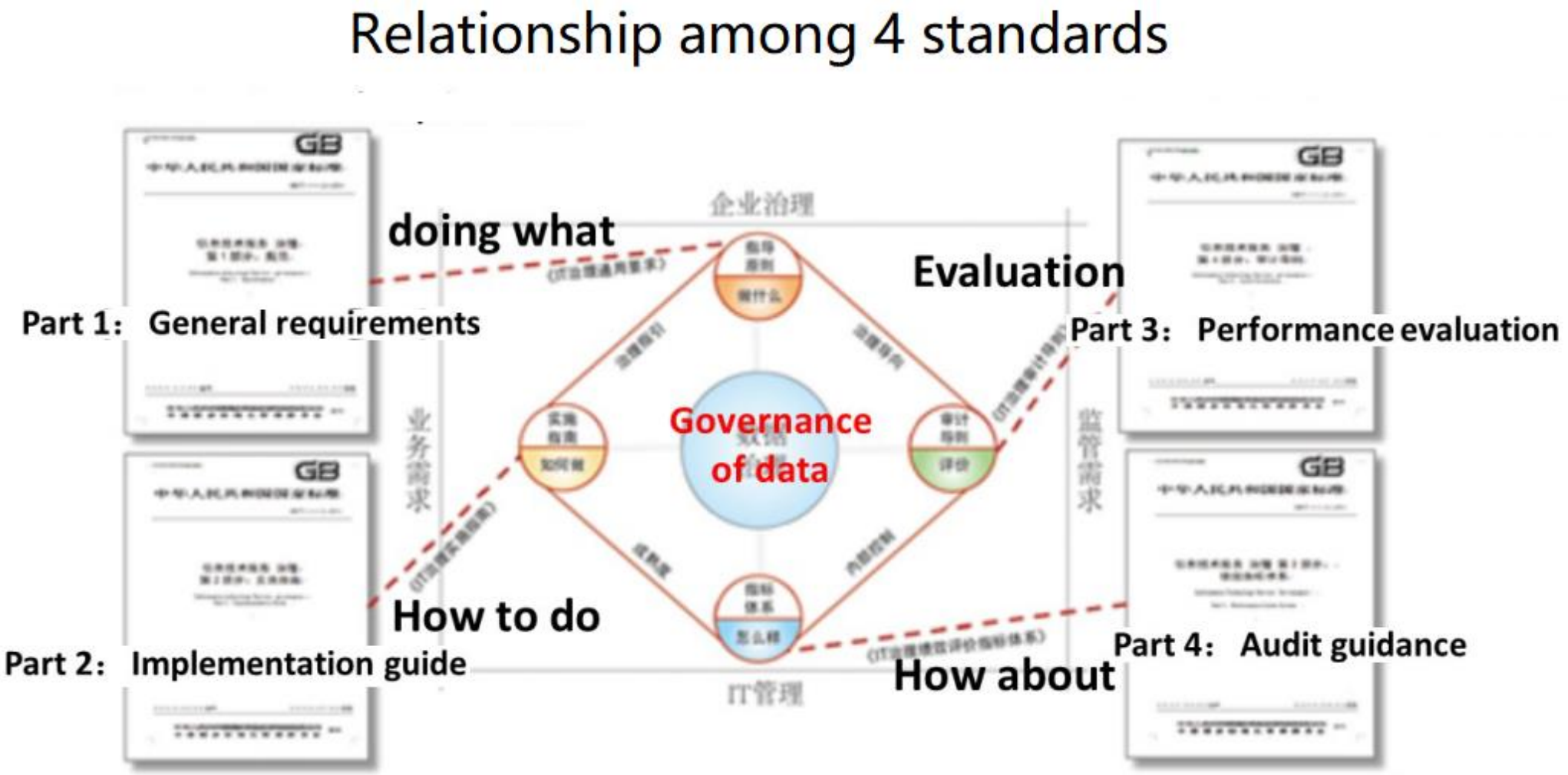
Nov. 13&14

China Member's Activity

China National Standards of IT Governance

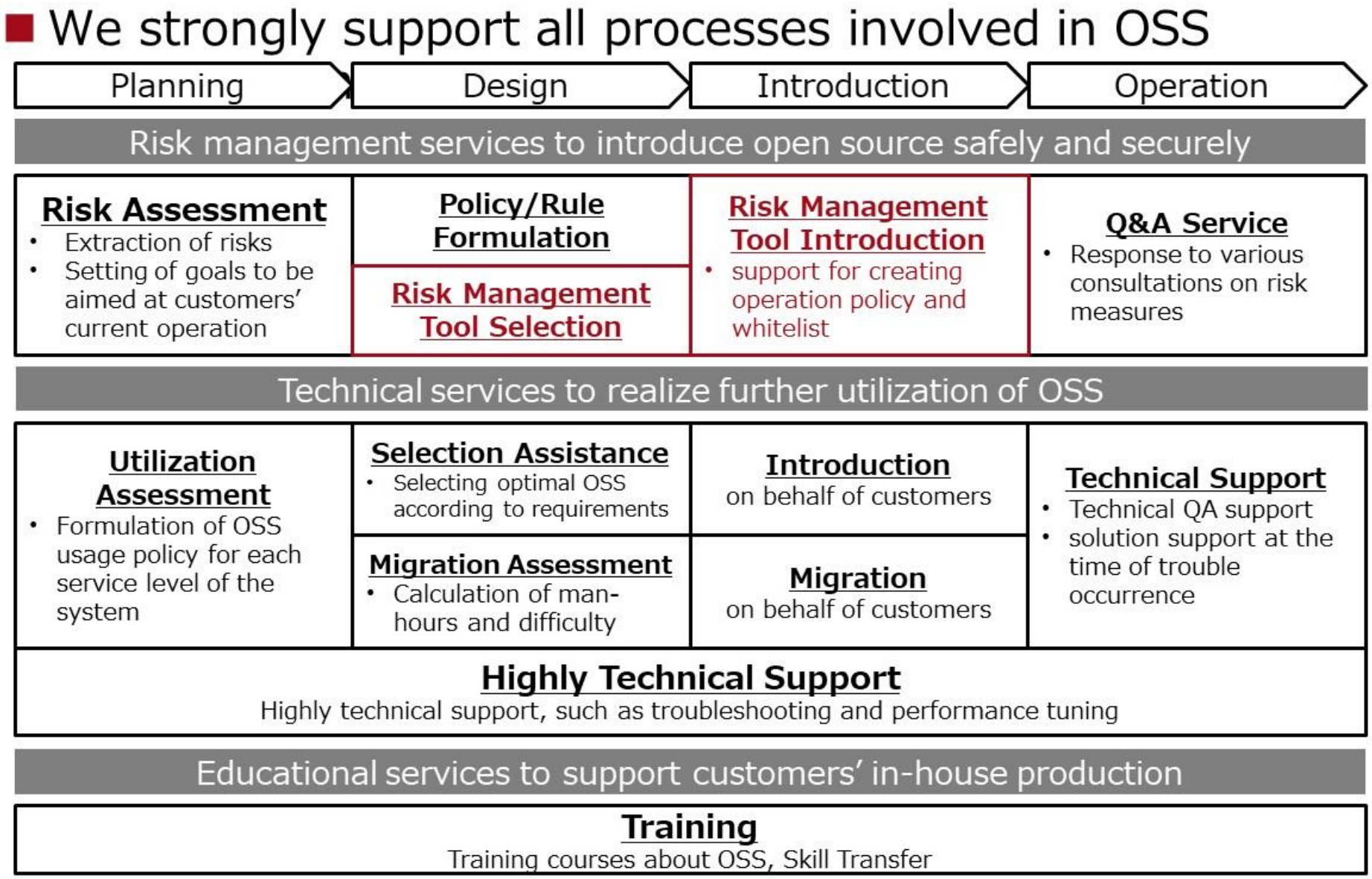
- Information technology service - Governance
  - Part 1：General requirements
    - Prescribe the principles of IT governance, and the governance requirements for top-level design, management systems, and resources for IT technology.
  - Part 2：Implementation guide
    - Define the implementation framework 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



Japan Member's Activity

Open Source Toral Service in Fujitsu



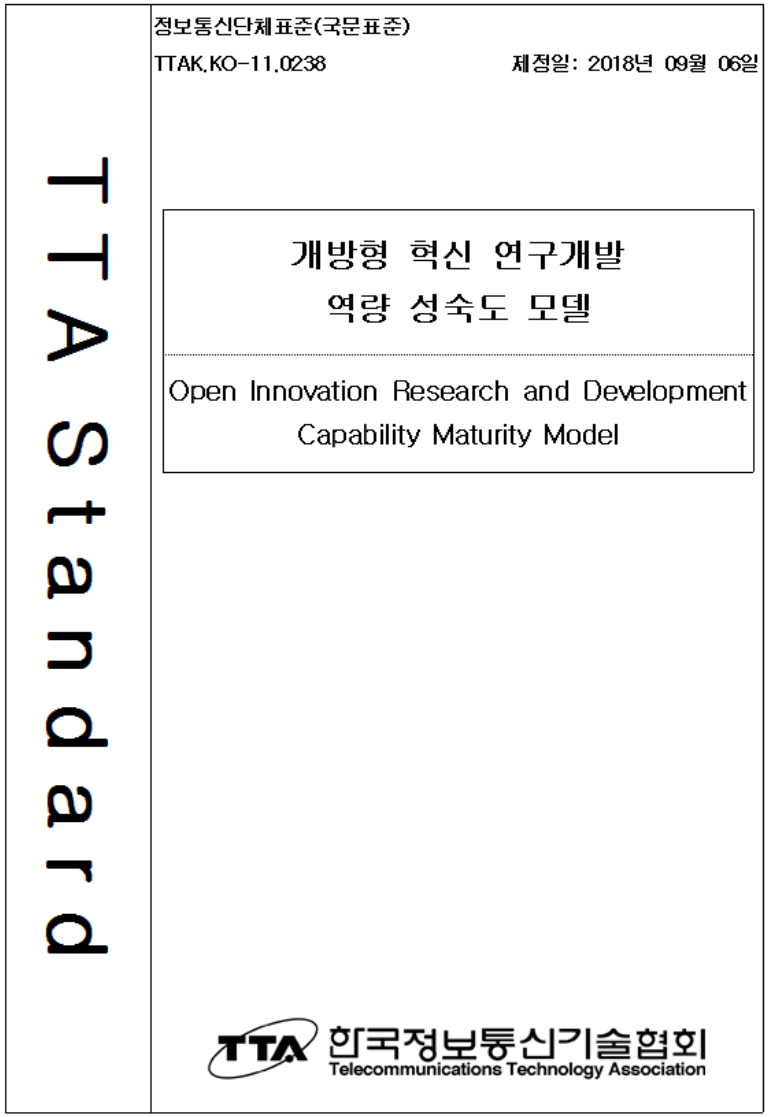
Example of maturity evaluation axes

Maturity Evaluation Axes		Detail
Basic Information	License	• License applied to that OSS. • Especially, pay attention when licensing differs depending on version or component.
	Official Site	• Whether the official site exists.
	Repository Site	• 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	• 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	• 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	• Whether the development itself is stable.
	Releases	• Whether the OSS make releases regularly.
Source code quality		• Quality of source code itself. • Evaluate complexity etc. as metrics for measuring readability and maintainability.
Software quality	Correspondence to bugs	• Whether the bugs are managed and visualized, and they are corresponded.
	Vulnerability	• Whether the fixes for serious vulnerability made quickly.
Use trend	Technical information	• The degree of fulfillment of the official documents, books, presentation materials, and so on.
	Use cases	• Whether there are cases of introduction in companies.

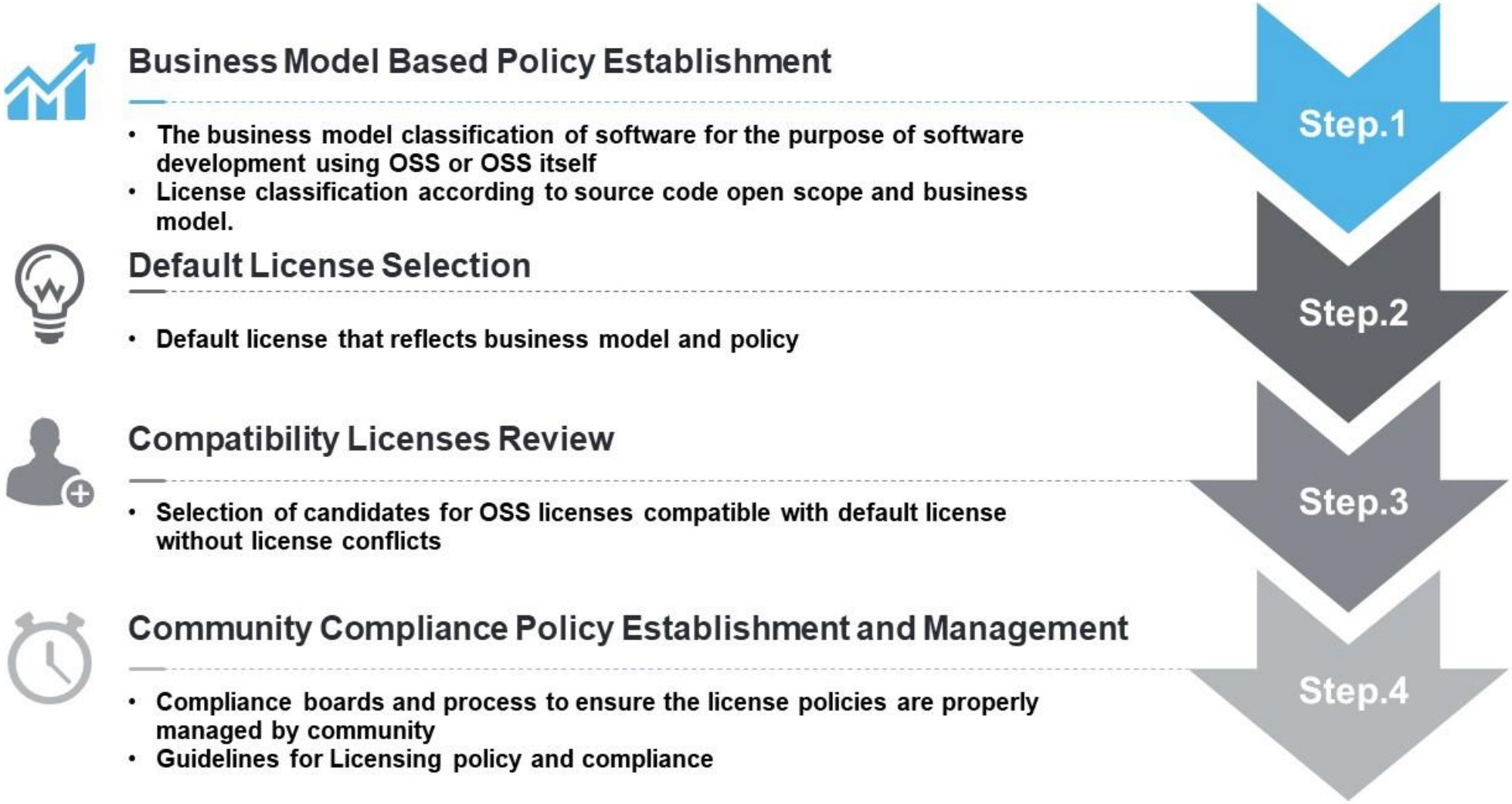
Korea Member's Activity

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



OSS Licensing Policy Model



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 !