

The tools of governance - Program Office and Collaboration between companies

Hiroyuki Fukuchi

Norio Kobota

Open Source Promotion sec.

Technology Alliance dept.

Corporate Technology Strategy div.

Sony Corporation

Part I

Program Office in Sony

About me

- Network / Security Software Engineer

- WebSocket, HTTP/2, SIP(Session Initiation Protocol), etc.
- contributed to NodeJS(libuv), lighttpd(webserver), msgpack

- You can find me at

https://github.com/lighttpd/lighttpd1.4/blob/master/src/mod_wstunnel.c etc.

- Within Sony

- OpenSourcing RPC framework(<https://github.com/linear-rpc>)
- Fostering NMOS (<https://github.com/sony/nmos-cpp> etc.)

used by Sony IP Live Production System etc.
https://pro.sony/en_LU/technology/ip-live

Norio.Kobota@sony.com

The Cathedral and Bazaar ?

By whom are you supported your use of OSS in your company?



Cathedral

Cathedral



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Cathedral



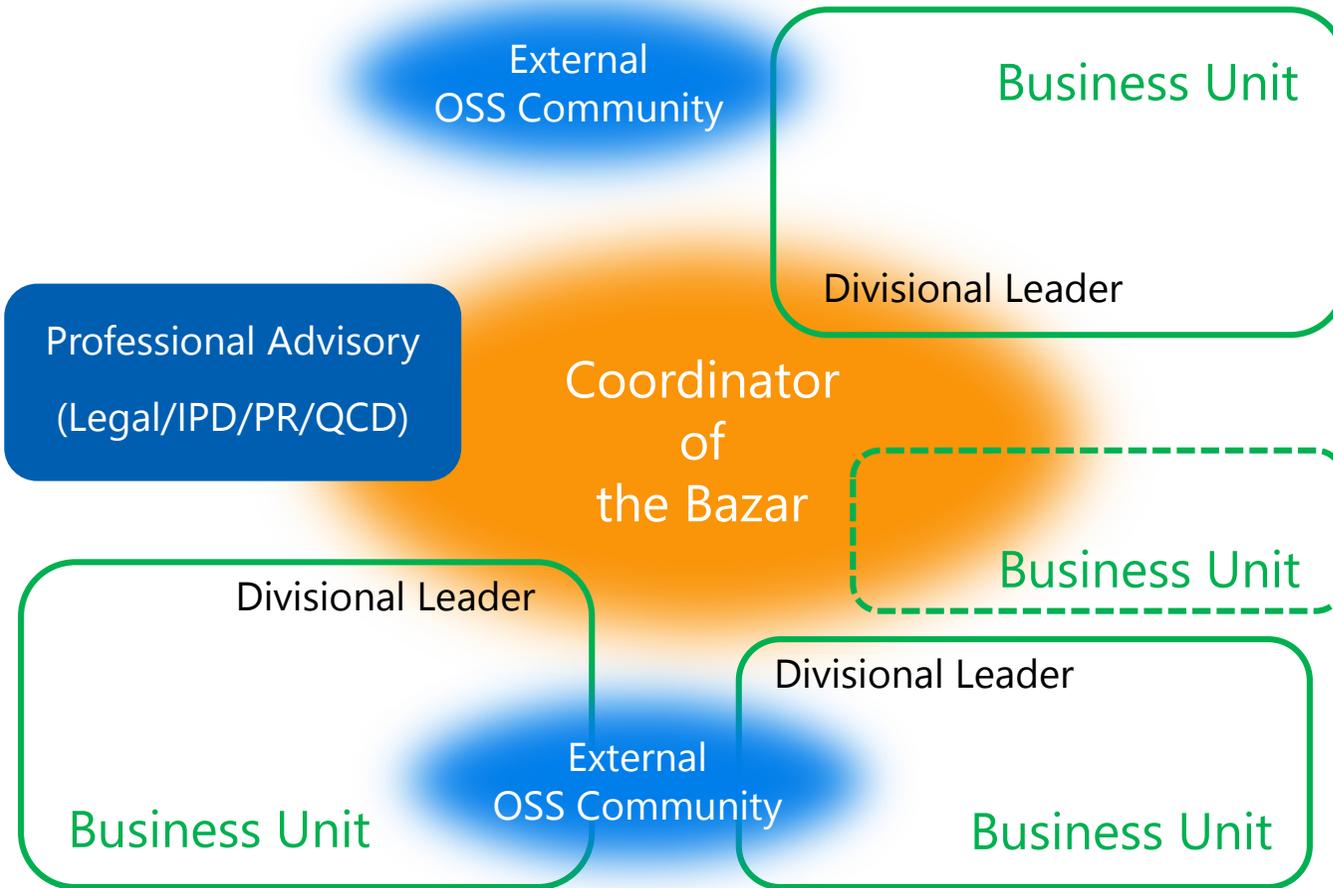
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Bazaar



In-house Open Source Software Community

In-house Bazaar



Loose guidelines

Mutual help of the bazaar participants

Each Business Units to take the all responsibilities to use OSS

OSS Compliance -- Organization --

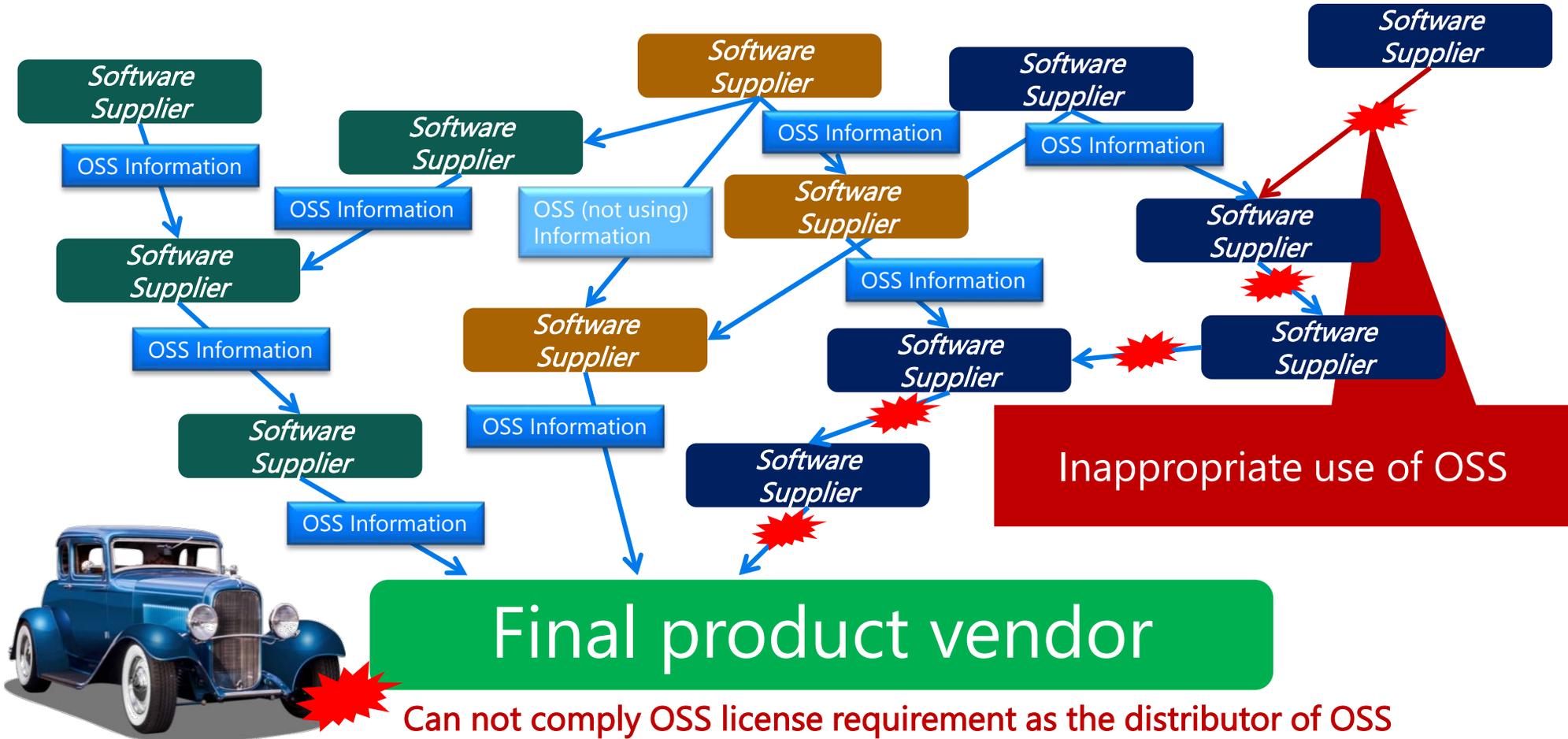
Company	Sony		
Presenter	Satoru Ueda	Date	April 17 th , 2018
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (comment:)		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (comment:)		
Points of activities	Internal community for OSS license. Legal, IP department, Public Relation and QA are involved in the activity. Almost all business units participate in community. Abroad development sites are covered by community. Some business units have sub-community inside their units.		
Issues	Skill up of each member: Analogy of medical care model (skillful home doctors and university hospital) Supply chain issues.		
Free writing	<p>Please refer to the next page</p> <ul style="list-style-type: none"> • About 100 members of OSS License Committee • OSS strategy board as the community leader (with a few experts) <ul style="list-style-type: none"> • Tim Bird, Frank Rowland and few members (about 10) • OSS専任の組織はない <p>Copyright 2018 Sony Corporation</p>		

Translated by Fukuchi@Sony

OSS Compliance – Education / Awareness

Company	Sony	Wiki	OK / NG
Presenter	Hiroyuki Fukuchi	Date	2018/6/5
Item	<ul style="list-style-type: none">• OSS training (9hours, 4times/year) + customized course for each development site (Worldwide) About 700 people• OSS community training (Studying OSS community, OSS contribution HowTo)• Freshman training• E-learning (including non-engineer) About 2,000 people		
Issue	<ul style="list-style-type: none">• Fostering next-gen. leaders• Education to non-engineers, suppliers, subcontracting companies• Open sourcing		
Sample	<ul style="list-style-type: none">• Trainer lectures on OSS with belief and enthusiasm• “Our company encourages employees to use OSS actively”• “Many engineers want to build a good world through developing OSS”• It is important to understand the background of each OSS license, and intention of developers• It is important to understand the time of distributing OSS• There are quizzes of use cases where non engineers are involved in OSS distribution. These quizzes make non engineers aware of their responsibility• Episodes related with a community experienced by the trainer give good impression to trainees• By categorizing with few patterns, Sony’s examples of Open Sourcing are explained.• Maintainers undertake trainers, who explain real activities in a community		

OSS Supply Chain Issue

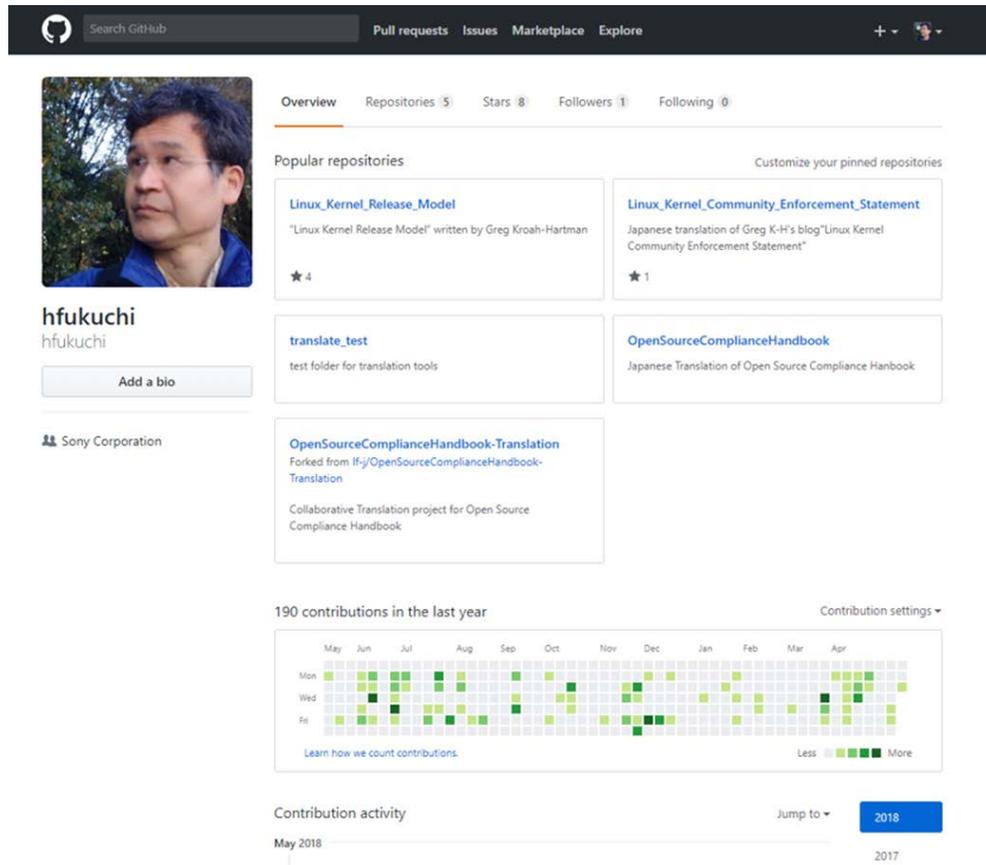


Part II

Collaboration between companies

Japan work group

About me



The screenshot shows a GitHub profile for user 'hfukuchi'. The profile includes a profile picture, the name 'hfukuchi', and the affiliation 'Sony Corporation'. The 'Popular repositories' section lists several repositories, including 'Linux_Kernel_Release_Model', 'Linux_Kernel_Community_Enforcement_Statement', 'translate_test', and 'OpenSourceComplianceHandbook-Translation'. A 'Contribution activity' section shows a calendar grid for the year 2018, indicating 190 contributions. The grid shows activity from May 2018 to April 2018, with a 'Jump to' dropdown set to 2018.

Hiroyuki Fukuchi

Open Source Promotion Sec.
Technology Alliance Dept.
Corporate Technology Strategy Div.

In charge of OSS compliance in Sony

A Member of OpenChain and Japan WG

Japanese translation volunteer

Works of Japanese Translation:

OpenChain Specification/Curriculum

SPDX specification 2.1

Handbook of Open Source Compliance

Blog written by Greg Kroah-Hartman

Japan work group

All member meeting



Sub Group activity

- Education
- Making FAQ
- Leaflet to upper stream suppliers
- License info. exchange
- Tooling

Wiki <https://wiki.linuxfoundation.org/openchain/openchain-japanese-working-group>



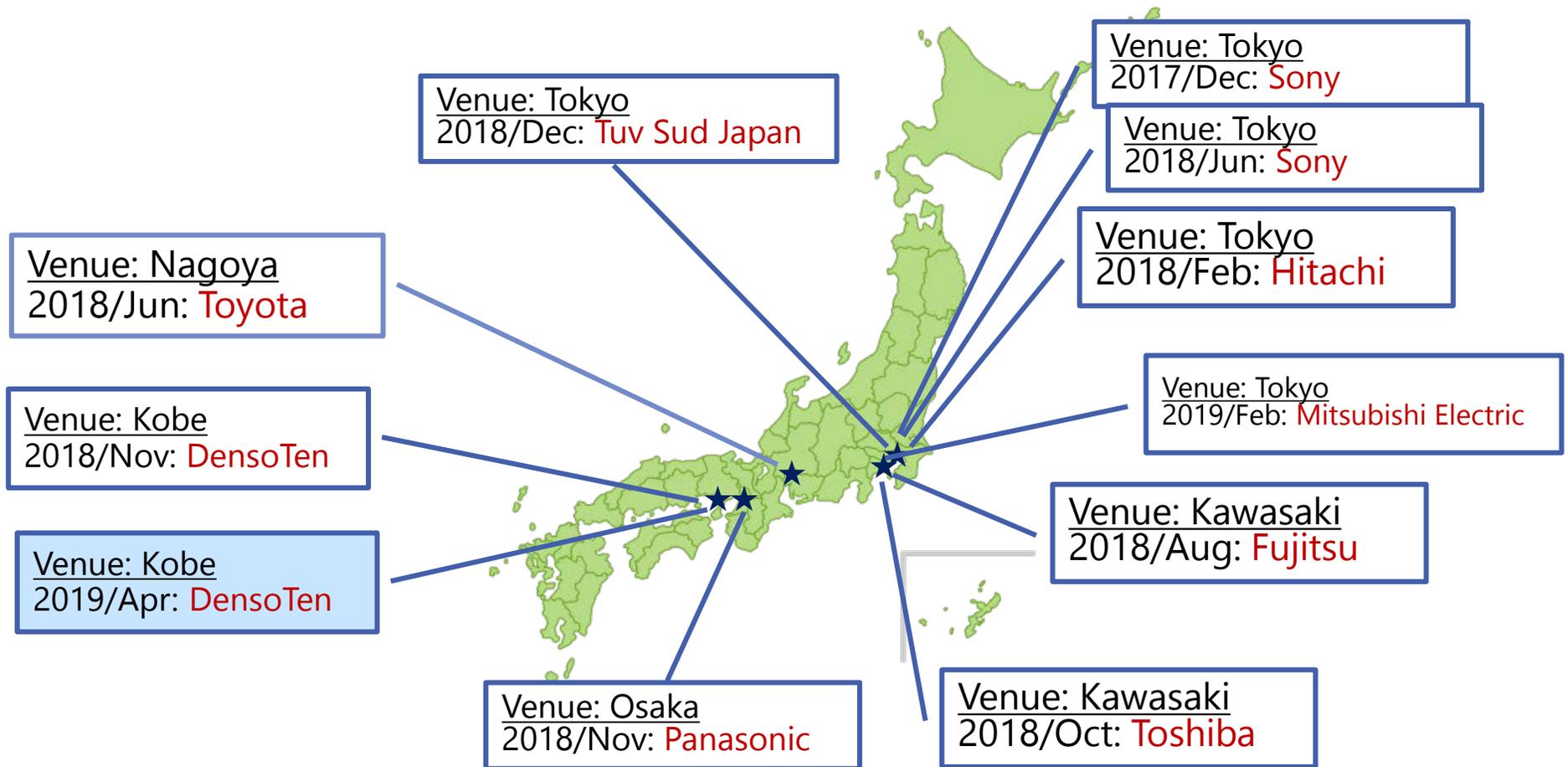
- Meeting info.
- Sub group activity
- Case studies
- Japanese translation
Specification/Curriculum/onboarding

GitHub <https://github.com/OpenChain-Project/Onboarding-JWG>
<https://github.com/OpenChain-Project/Japan-WG-General>

ML openchain-japan-wg@lists.linuxfoundation.org

Slack openchain-japanwg.slack.com

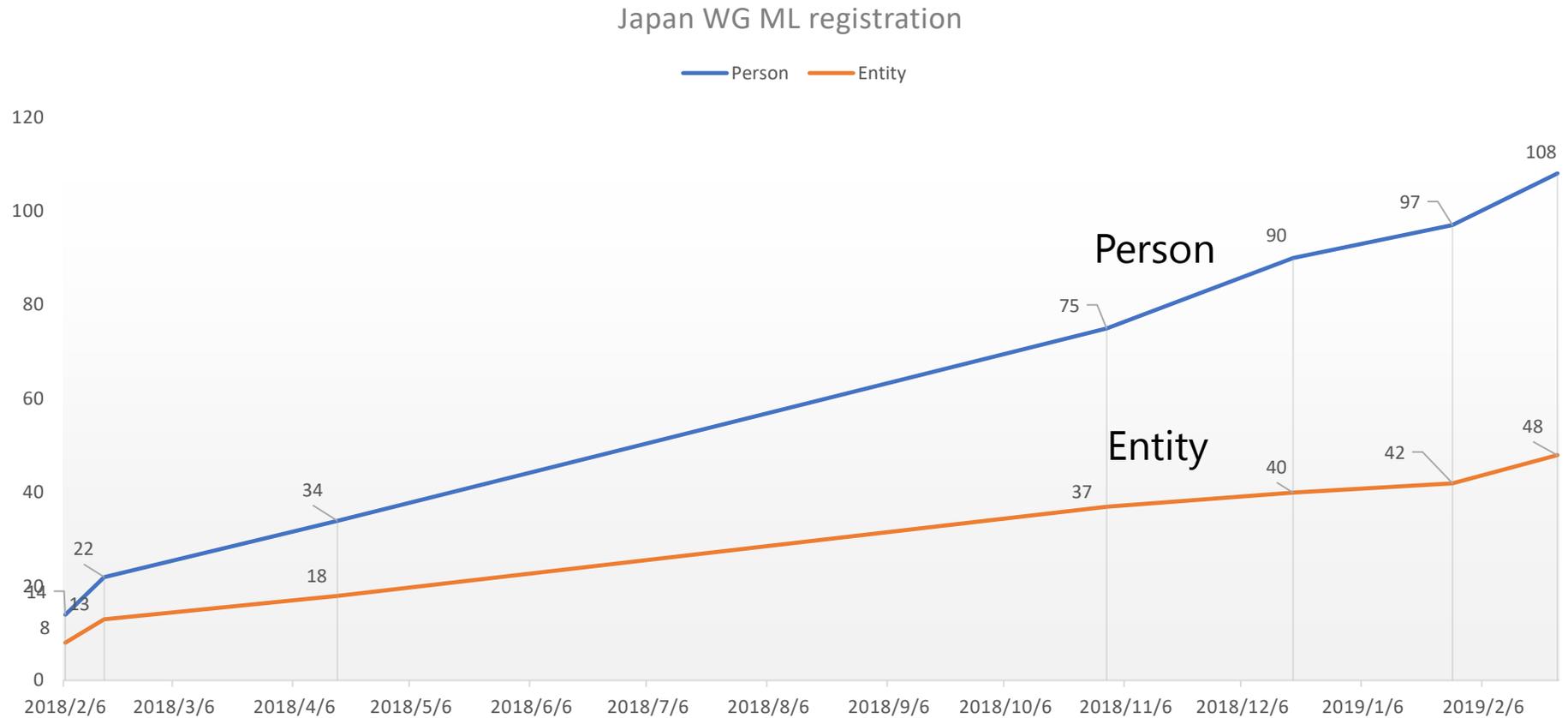
All member meeting of Japan WG



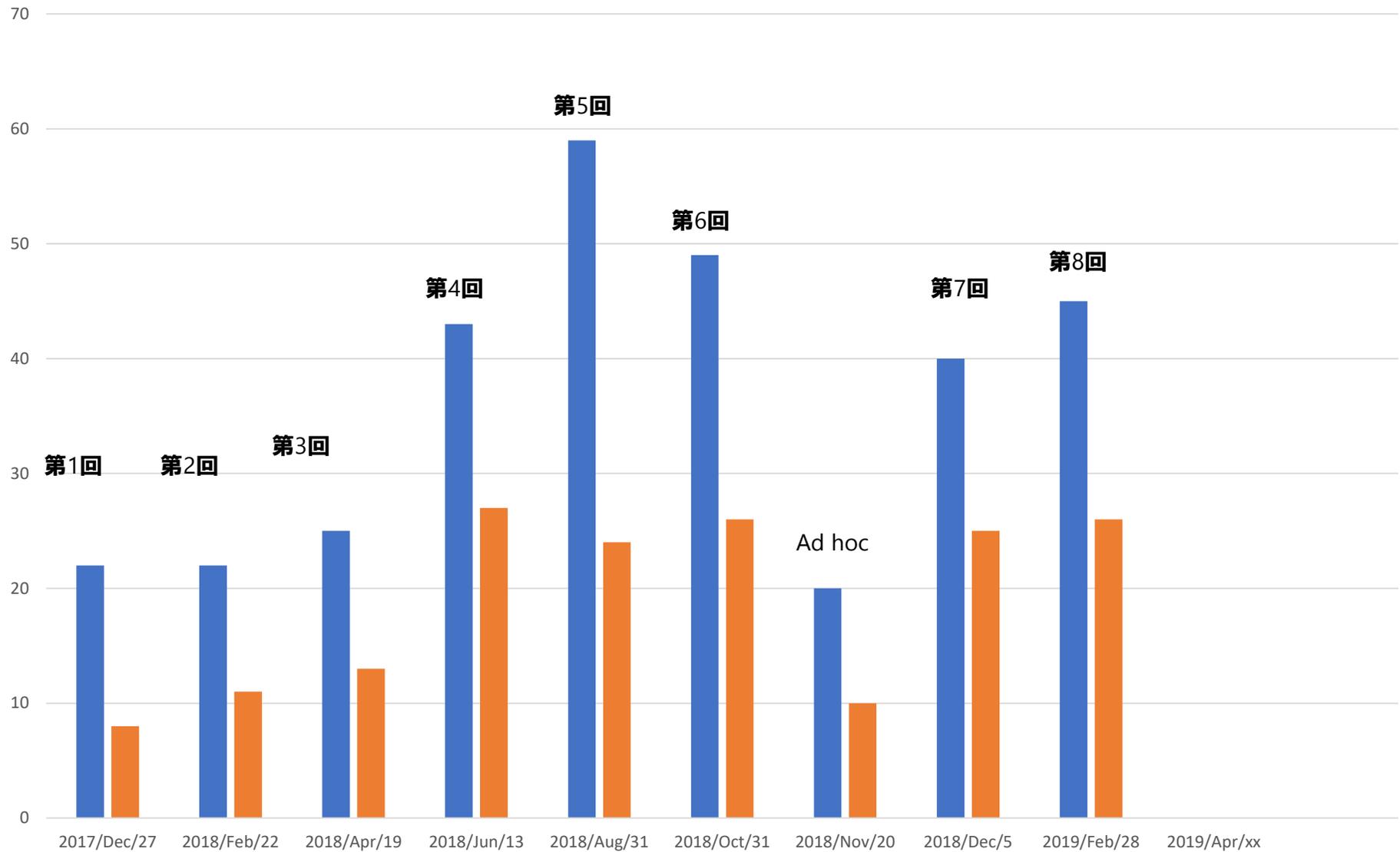
Scenes at meetings



ML Subscribers



Meeting Attendees



Lightning talk (sharing case study)

Short presentation (3 minutes within 1 page) by attendees

“No document, only aural presentation” is acceptable

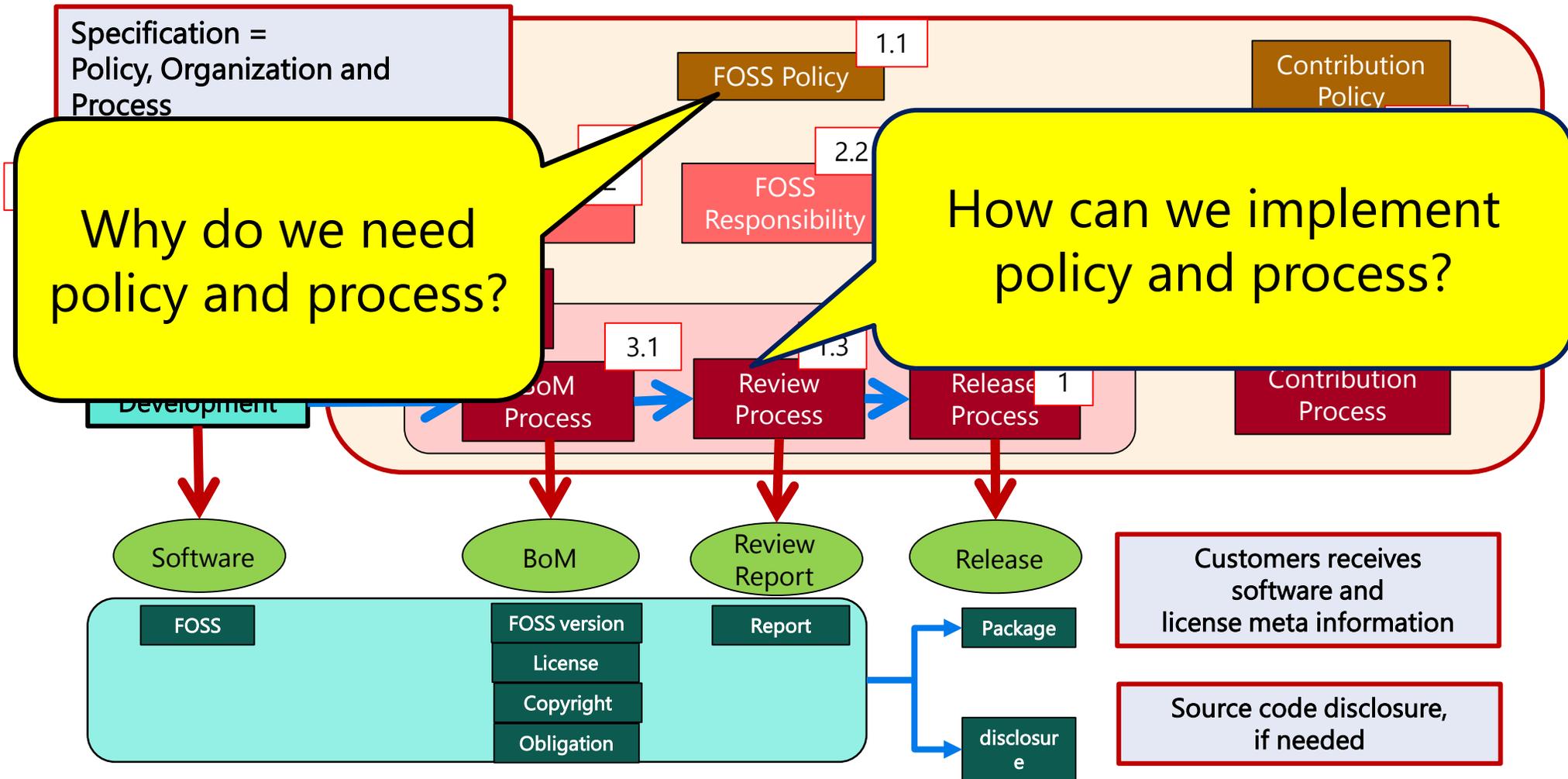
Condition of anonymity is acceptable

Documents are disclosed in Wiki

Wiki <https://wiki.linuxfoundation.org/openchain/openchain-japanese-working-group>



Overview of OpenChain Specification



OSS Compliance --Organization--

Company	Panasonic		
Presenter	Shinsuke Kato	Date	April 17 th , 2018
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (comment: No dedicated organization. Cross-function virtual group handles OSS license. Member is formally assigned by Business Unit.		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (comment: Now the group concentrates on OSS license, and is starting to handle the technological aspect of OSS.		
Points of activities	Legal and IP department are involved in the activity. Not only OSS but also software are treated. The group gives advices and final decision is made by Business Unit. The group collects best practices inside Panasonic and share them.		
Issues	How to involve abroad subsidiary companies. Organizational changes give impacts on OSS activity, it may cause difficulty to maintain activity if a key person cannot continue to participate. Budget.		
Free writing	<p>The diagram illustrates a virtual group structure within Panasonic. A box labeled "Panasonic" is connected by a line to a large rounded rectangle. Inside this rounded rectangle, there are four boxes representing different entities:</p> <ul style="list-style-type: none"> Company A: Engineer (AAA), Legal (BBB), IP (CCC) Company B: Engineer (DDD), Legal (EEE), IP (FFF) Company C: Engineer(OOO), Legal (PPP), IP (QQQ) HQ(office): Engineer (XXX), Legal (YYY), IP (ZZZ) <p>Ellipses between Company B and Company C indicate that there are other entities in the group.</p>		

OSS Compliance --Organization--

Company	Hitachi		
Presenter	Yuji Nomura	Date	April 18 th , 2018
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (comment: OSS solution center promotes OSS appropriate usage inside Hitachi group and receives internal inquiries.)		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (comment: OSS compliance team belongs to OSS solution center.)		
Points of activities	OSS compliance team makes internal interpretation of OSS license with legal department. Interpretation gives easy explanation (Usage, Obligation, Restriction) to engineers.		
Issues	Increase of OSS usage exceeds over internal interpretation. Interpretation requires personal skills, so that it is difficult to increase OSS compliance team.		
Free writing	Activity of interpretation began in 2013. Each business unit individually made its rules, process and infrastructure for OSS OSS solution center was established in 2015. The core member of OSS compliance moved from advanced unit. OSS solution center is sharing the advanced activity (best practices) inside Hitachi group. Hitachi would like to contribute its OSS process and best practices to OpenChain.		

OSS Compliance --Organization--

Company	Fujitsu group		
Presenter	Yuki Machida	Date	April 18 th , 2018
Organization	Dedicated organization / Virtual or community type by each employee / Alone (comment:		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (comment:		
activities	<p>Now we are trying registration of huge number of FOSS internal distribution (700 packages x 10 generations), so that automation of registration is needed. Fujitsu group changed OSS license tool from Blackduck "Code Center" to FlexNet "Code Insight" in April 2018.</p> <p>We are trying some methods using SPDX, rpm, source code analysis tool etc., but it does not work well to take matching between input and "Code Insight" database.</p> <p>The method using SPDX is the most working, but even many packages cannot be registered. e2fsprogs is registered as "Ext2 Filesystems Utilities" lack of FOSS data base information lack of web page information in SPDX version information is not clearly written</p> <p>We contributed patches to modify the web page URL in SPDX to Yocto project.</p>		

OSS Compliance --Organization--

Company	Toyota		
Presenter	Hiroki Takemi	Date	April 17 th , 2018
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (comment:		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (comment: as a member who works for OSS compliance in IP division)		
Points of activities	IP department leads activity. The committee for OSS was established. Usage of OSS is increasing, so that we are promoting "OSS literacy" in Toyota.		
Issues	Activity and committee is voluntary. We are trying to establish internal OSS organization over company. Supply Chain.		
Free writing			

OSS Compliance --Organization--

Company	Anonymous		
Presenter	Anonymous	Date	2018/04/18
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (reference:		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (reference:		
Points of activities	<ul style="list-style-type: none">• Make the definition of the [management of the OSS use] on the Quality Management System. By using the definition of the OSS management and compliance, we make a governance.• For the software of our company, to use Protex and to report the concrete correspondence should be. The dedicated organization maintains the all cases.• All employee (except a clerk) should take a web-test about the OSS compliance and in-house rules once a year. (The rate is 95%)		
Issues	<ul style="list-style-type: none">• We don't make a system like as an Open Source Program Office which includes the IP, Legal, Corporate Planning members. The organization is very local. (Each Business Division can decide to use OSS or not.)		
Free writing	* We would like to make the Open Source Program Office. But, we are not promoting the establishment. it's difficult. (what is the first activity, who is the first target to join, and so on.)		

Why is Japan WG so active?

Japan WG is driven in a community way.

People who understand both OSS and real problems

Place where OpenChain provides Neutrality and Confidence

Leadership gathers people



Thank you!

Resources

- OpenChain project:
 - Website: <https://www.openchainproject.org/>
 - Wiki: <https://wiki.linuxfoundation.org/openchain/start>
 - GitHub: <https://github.com/OpenChain-Project>
 - ML: openchain@lists.linuxfoundation.org
 - Translations: <https://www.openchainproject.org/translations>
- OpenChain Japan WG:
 - Wiki: <https://wiki.linuxfoundation.org/openchain/openchain-japanese-working-group>
 - ML: openchain-japan-wg@lists.linuxfoundation.org
 - GitHub: <https://github.com/OpenChain-Project/Onboarding-JWG>
 - <https://github.com/OpenChain-Project/Japan-WG-General>
 - Slack: openchain-japanwg.slack.com
- SPDX:
 - Website: <https://spdx.org/>
- SPDX 2.1 Unofficial Japanese translation
 - GitHub: https://github.com/hfukuchi/SPDX_specification/tree/master/chapters

Appendix

Tips for the lightning talk

Leadership and good atmosphere

We do **NOT** judge “Good” and “Bad”.

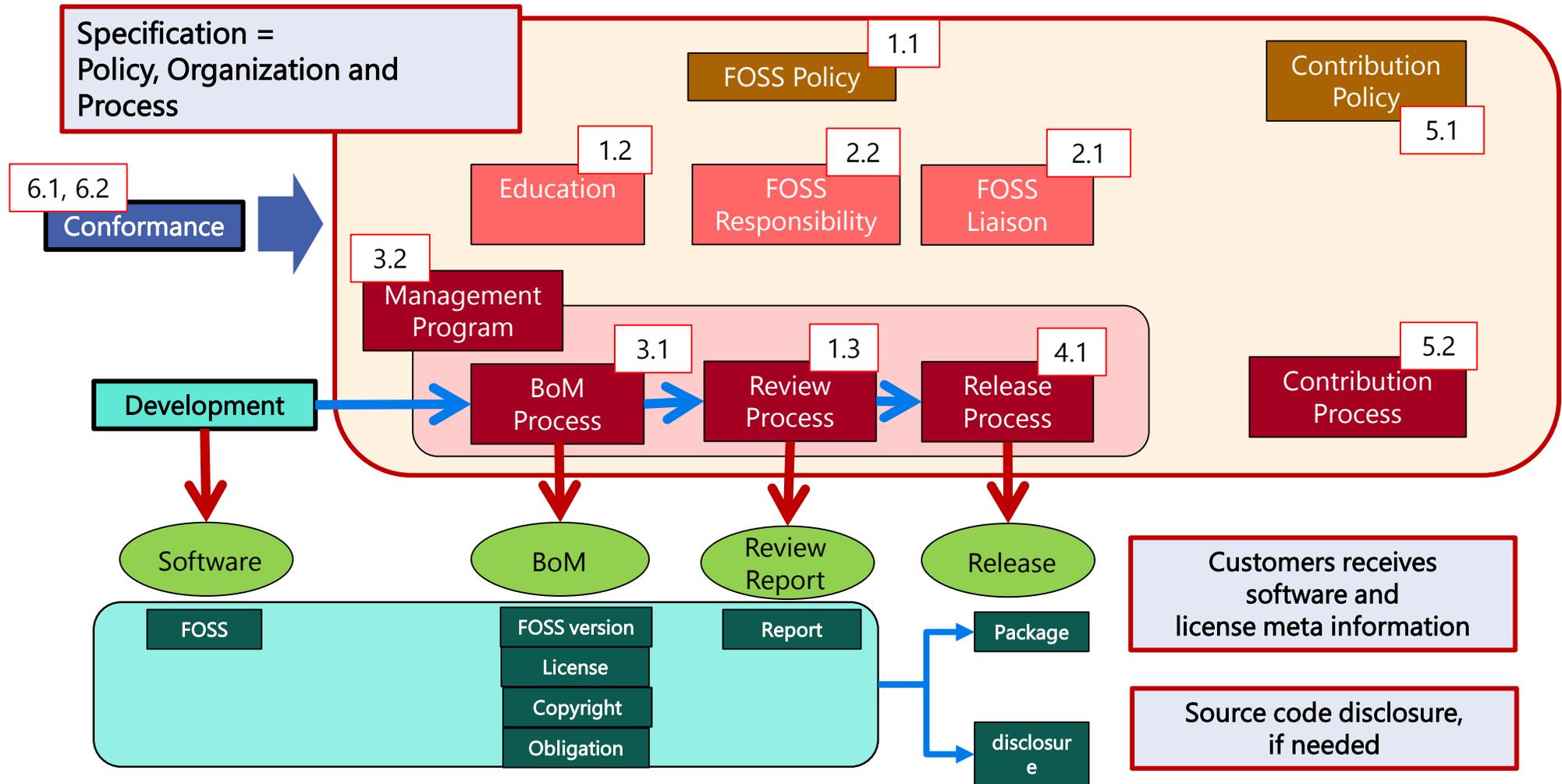
In order to **collect important points**, format is pre-defined.

We **disclose the documents on Wiki**.

We **share** each practice **as a reference**.

Practices give you **good hints**.

Overview of OpenChain Specification



OSS Compliance --Organization--

Company	Sony		
Presenter	Satoru Ueda	Date	April 17 th , 2018
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (comment:)		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (comment:)		
Points of activities	Internal community for OSS license. Legal, IP department, Public Relation and QA are involved in the activity. Almost all business units participate in community. Abroad development sites are covered by community. Some business units have sub-community inside their units.		
Issues	Skill up of each member: Analogy of medical care model (skillful home doctors and university hospital) Supply chain issues.		
Free writing	Please refer to the next page		



OSS Compliance --Organization--

Company	Hitachi Solution		
Presenter	Ayumu Watanabe	Date	April 18 th , 2018
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (comment: In fact, it is not dedicated to OSS compliance, but “Right Conservation” of IP department has functionality of OSS compliance.)		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (comment:		
Points of activities	There is the process to check OSS information in rule “Other company’s Right Conservation”. OSS usage requires to receive approval from the organization.		
Issues	The approval process is complex for engineers to follow.		
Free writing	The approval process: Business unit submits a request of OSS (OSS list, license list, use case) to the committee. The committee (Legal, IP, Procurement) decides to approve or disapprove. Business unit receives the result of decision. If approval, it starts to take OSS.		

OSS Compliance --Organization--

Company	Anonymous		
Presenter	Anonymous	Date	2018/04/18
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (reference: start to make an organization.)		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (reference: as a candidate working for the OSS compliance.)		
Points of activities	The persons in charge have a good and high awareness. The final decision is made by Business Unit.		
Issues	There are varies of the knowledge and system from each organization. Need to maintain the organization and activity. Difficult to manage each project because of the used software will be a lot (over 10,000)		
Free writing	Study about making a mechanism to manage the information of the OSS compliance and security. - doing by OSS, need to maintain continuously, need to re-use, these are neccessary. The materials of OpenChain is helpful for me.		

OSS Compliance --Organization--

Company	Anonymous		
Presenter	Anonymous	Date	2018/04/18
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (reference: actually only one person.)		
Number of person in charge	Over 100 / 99-21 / 10-20 , few / one / zero (reference: actually only one person.)		
Points of activities	The consciousness is low. I'm struggling alone.		
Issues	How to promote OSS compliance to managements and over company		
Free writing	I would like to improve the awareness of the OSS compliance in the industry. * increase members working for the OSS license and compliance * need the education of the OSS license and compliance - Translation : when proposing on the ML, after that, start to translate. - Join in the event : when proposing at the 1 st JWG meeting, after that, Hitachi did. - propose : join in the OSC KYOTO - propose : make MOOCS materials about the education curriculum		

OSS Compliance --Organization--

Company	Anonymous		
Presenter	Anonymous	Date	2018/04/19
Organization	Dedicated organization / Virtual or community type / by each employee / Alone (reference:		
Number of person in charge	Over 100 / 99-21 / 10-20 / few / one / zero (reference: The persons who worked for the OSS and OSS compliance in the past submit and prepare their knowledge of the OSS licenses. We promoted by holding the in-house work shop or so.)		
Points of activities	<ul style="list-style-type: none"> • Not to use the OSS is the basic policy. (make a rule in the each case) • The knowledge is documented. Anyone can access and read. (But, unknown whether it is utilized or not) • There is a original tools to check the incorporation of the OSS. 		
Issues	<ul style="list-style-type: none"> • The OSS compliance is depend on the person or the developer. (not organize as a in-house rule). • It's depend on the case or the project. When not working for the OSS compliance support, the consciousness will be low.) • Can not take measures for the OSS compliance as a organization • The utilization of the documents or tools is not progressing. • Rather than in the past, the consciousness of the developers is low because of the less of the aware-activities. 		
Free writing	<p>[want to know]</p> <ul style="list-style-type: none"> • The trend and the recent situation of the recent OSS compliance • The security measures for the embedded software. (E.G. the security patch is applied or not.) <p>[Comment]</p> <ul style="list-style-type: none"> • We want the developers to have a good awareness of the OSS compliance by introducing the activities of the OpenChain. And we expect the continuous activities. 		