

Eclipse IP Management Modernization

Sharon Corbett

MODERNIZATION

WELCOME

- Eclipse IP - About
- Issue Statement
- Objectives/Benefits
- License Compliance
- Self Service
- New Process Overview
- Futures
- Best Practices
- OSCM
- Wrap Up

Eclipse Intellectual Property Management

- > Eclipse IP Policy (Board Approved)
 - Defines mechanism for accepting and licensing the intellectual property developed and leveraged by Eclipse projects
- > Legal Agreements
 - Formal - ECA, Committer Agreements, Working Group Participation Agreements
- > Due Diligence Review Process
 - Provenance, License Compatibility, Scanning for Anomalies
 - IP Ticket (CQ)
- > Commercial Adoption (Confidence/Safe)
- > High Bar, Rigorous, Well Respected

What's at Issue?

- > Eclipse IP Policy and Procedures (2004)
- > Significant changes over time
- > Cannot support agile development nor continuous delivery
- > Impossible to scale to modern day technology (Node.JS, Electron, NPM, etc.)
- > Burdensome - Lack of Automation

The Time has Arrived ...

- > Bring Eclipse IP Policy and Process in line with contemporary expectations!

Eclipse IP Governance Approach (Redefined)

- > Revise the IP Review requirements for third party content
- > Update IP Policy
 - Change due diligence approach for third party content
 - Streamline Definitions
 - Project content
 - Third party content
 - Official Release=Distributed Content (NOT git commits, milestone, nightly, etc.)
- > IP Advisory Committee Review
- > Board Approval (October 21, 2019)

Objective

- > Focus on **License Compliance Model only** for third party content (*leveraged only; not otherwise produced or managed by Eclipse projects*)
- > Reduce burden/lower barriers
- > Shift focus to other areas of high value
- > Trust “other” sources of information
- > Remain **WELL RESPECTED and RISK FOCUSED**

Objective

- > Remove gate based on IP delays (faster service)
- > Increase project velocity
- > Provide flexibility and predictability
- > Reduce administrivia
- > Parallel IP (standard)
- > New projects bring history (no review)

Objective

- > Removal of Type A/B Stigma (Release vs Project)
- > Allow project teams to adopt license compatible third party content during development cycle
- > IP team certification prior to formal release
- > Provide training/education
- > Engagement with broader intellectual property community (leadership)

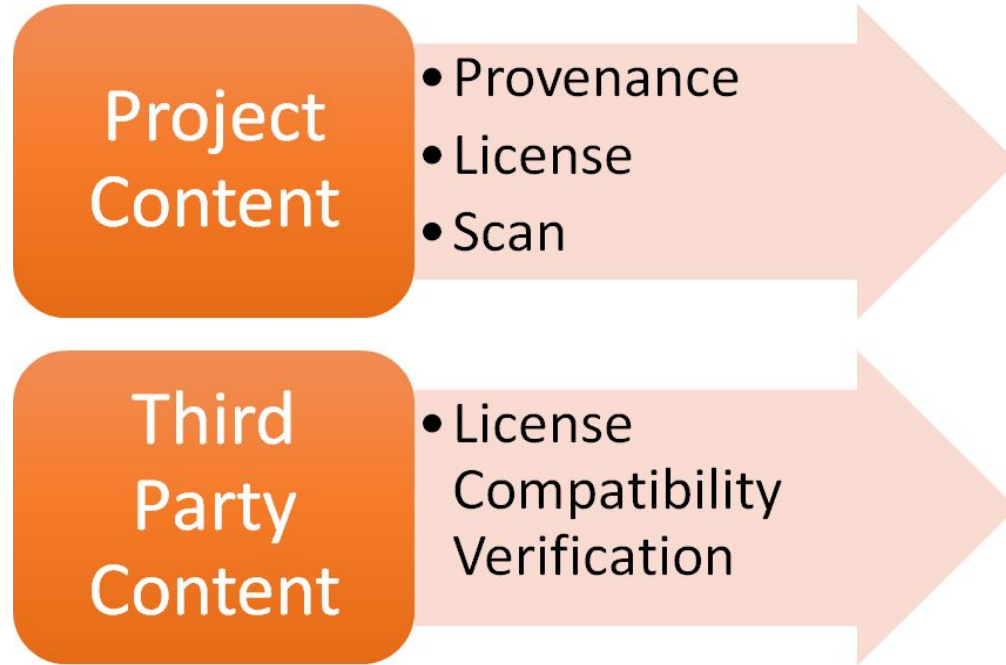
License Compliance Model

- > Eclipse Foundation will stop performing deep copyright provenance reviews of **Third Party Content**
- > Focus on license compatibility (standard) and licensing compliance
- > Licenses driven by Board Approved Whitelist
- > Leverage and trust “other” third party license sources (eg. ClearlyDefined)
- > Enable projects to validate license compliance during development (trust but verify)

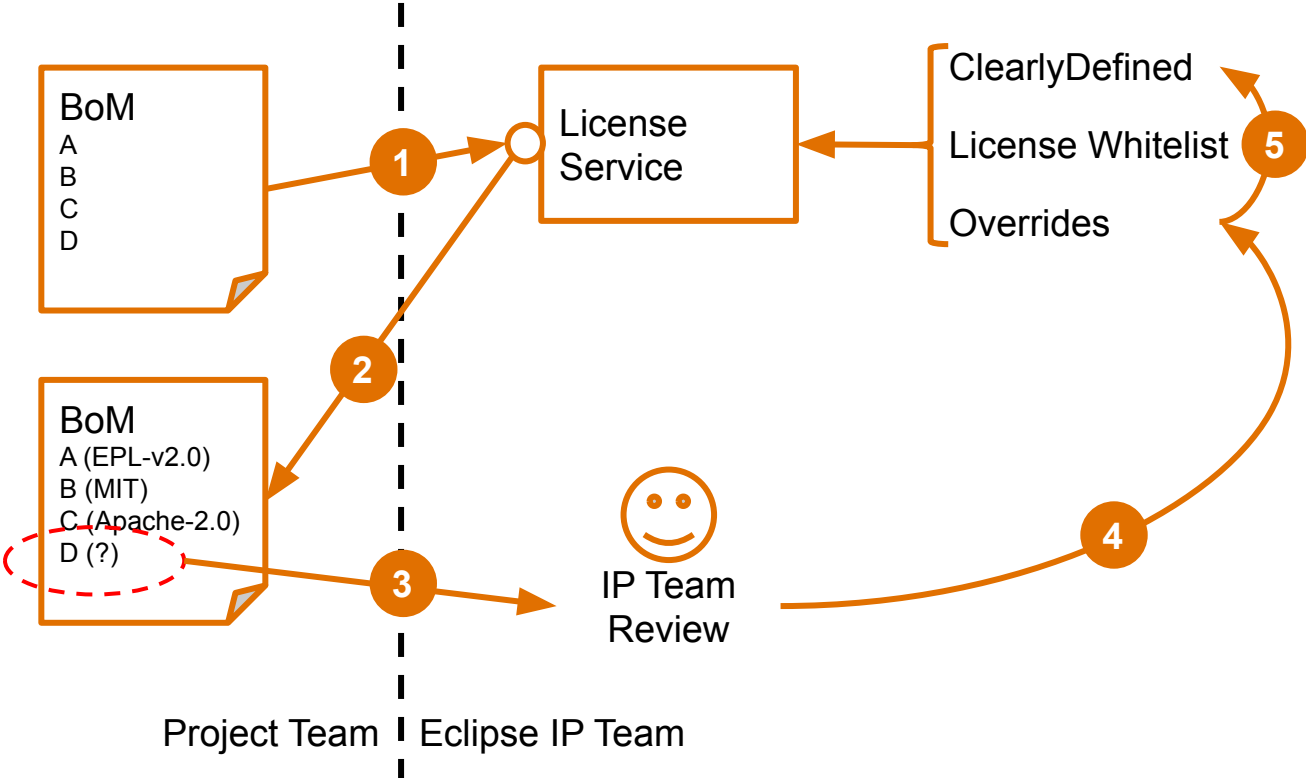


**Applies to Third Party
Content ONLY!**

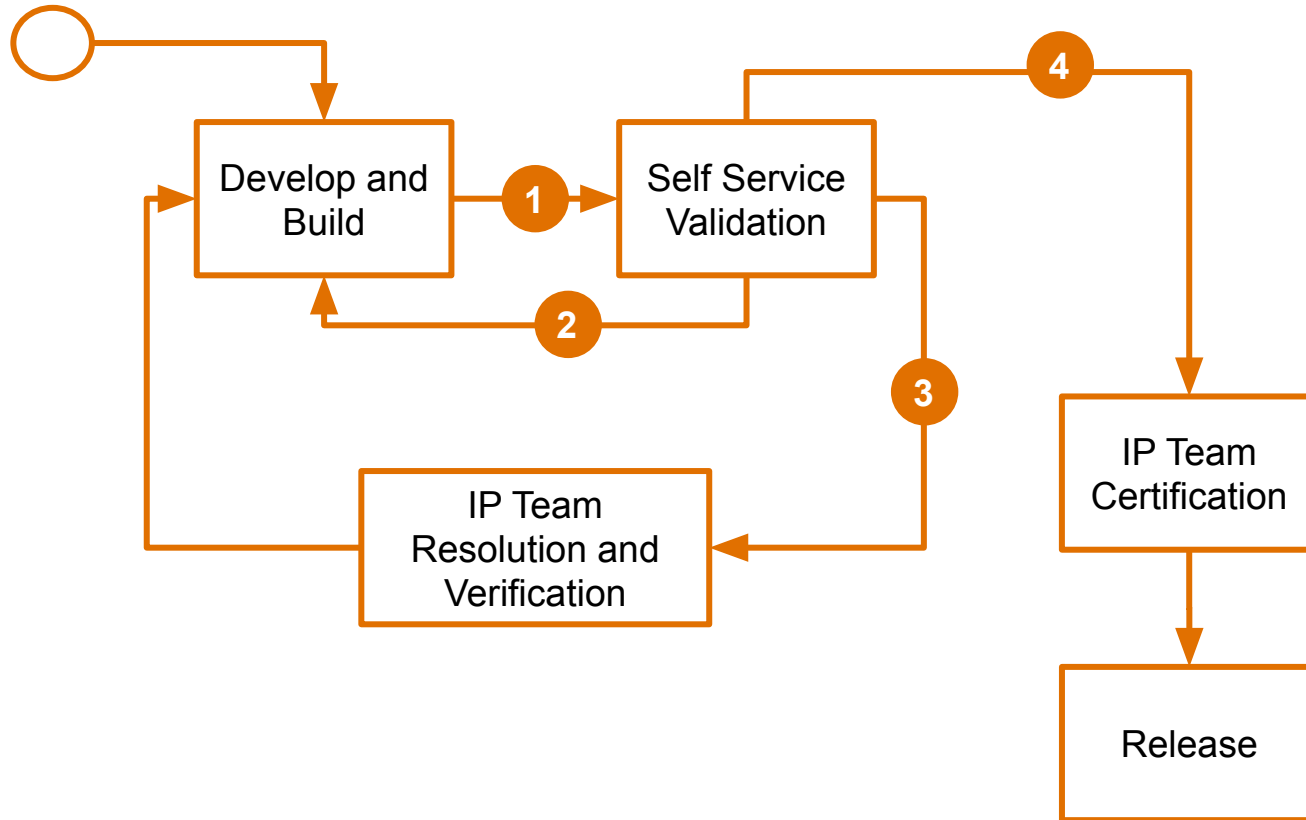
New Model



Self Service Validation



New Process Overview



Engagement with the IP Team

- > IP Ticket (CQ) request only when/if required
- > IP Ticket (CQ) if the dependency contains **cryptography** (declaration model)
- > Projects must engage prior to a formal release for final IP clearance!

WHAT?

CQ REQUIREMENT FOR THIRD PARTY CONTENT ONLY WHEN/IF REQUIRED!

What does this really mean for me?

- > Project onus will be fairly lightweight
- > Compliance Report will identify any IP violations
- > Projects are relieved of the responsibility to request IP review for every third party package requirement
- > Projects should take care to only introduce dependencies that are subject to compatible licenses

Again, what does this really mean for me?

- > NO piggyback/reuse CQs
- > NO CQ before Adding to Orbit
- > NO CQ before you start leveraging a certain library
- > Periodic checks to ensure projects are on the right path

Tracking Dependencies

<i>Current Process</i>	<i>New Approach</i>
Tracking via IP Tickets (CQs) Submitted by Committers	Tracking via Bill of Materials Ideally generated from build; e.g. Maven, Gradle, NPM dependency list, etc.
IP Log Generated (IP Tickets/CQs)	IP Log Generated (Bill of Materials)
IP Log Review	IP Log Review
IP Log Approval	IP Log Approval
Project Release	Project Release

Next Steps

- > Prototype development/testing
 - Several projects in experimental drive
- > Implementation roll out prior to end of year
 - Current infrastructure
 - Updates to documentation, committer handbook, front end systems, etc.
- > Futures:
 - Build level Integration/automation
 - Automate an end-to-end system
 - Replace IPzilla
 - Security vulnerabilities

Community Engagement



IP Best Practices

- > Include copyright and license headers on source files
- > Include license text file in repository
- > Include notice file (third party content information, versions, licenses, any other information in order to comply with license terms, etc.
- > Include contributing file (formal or non-formal)
- > Identify project license on Github landing page (readme)

Trust Other Sources

- > Leverage other sources of license data
- > Donate our curated license data
- > Crowd source with the greater community

Open Source Compliance Movement

SPDX - open standard for communicating software bill of material information (components, licenses, copyrights and security references) <https://spdx.org/> (Adoption)

ClearlyDefined - crowd sourced OSI Initiative to help FOSS projects; the project focuses on source location, clarifies applicable licensing and address security vulnerabilities <https://clearlydefined.io/about> (Engagement)

CISQ - Standardized tool-to-tool Software Bill of Materials (SBOM)
<https://www.it-cisq.org/software-bill-of-materials/index.htm>

Reuse Software - choose license, add copyright and license information to each file, confirm REUSE Compliance <https://reuse.software/>

OpenChain - Its specification identifies the key requirements of a quality open source compliance program and show organizations how to meet the requirements <https://www.openchainproject.org/>

THANKS!

Contact: emo-ip-team@eclipse-foundation.org

Helpful Links:

https://www.eclipse.org/org/documents/Eclipse_IP_Policy.pdf

<https://www.eclipse.org/legal/>

<https://www.eclipse.org/legal/licenses.php>