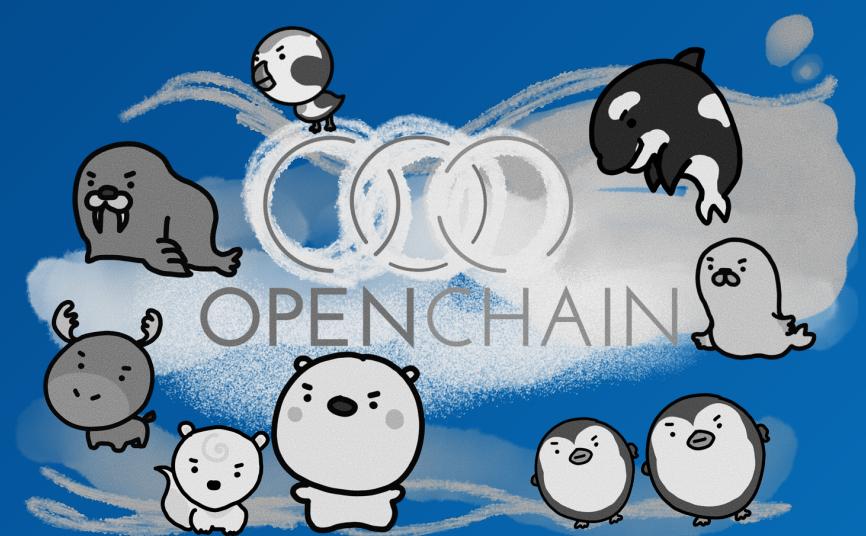


The OpenChain Project

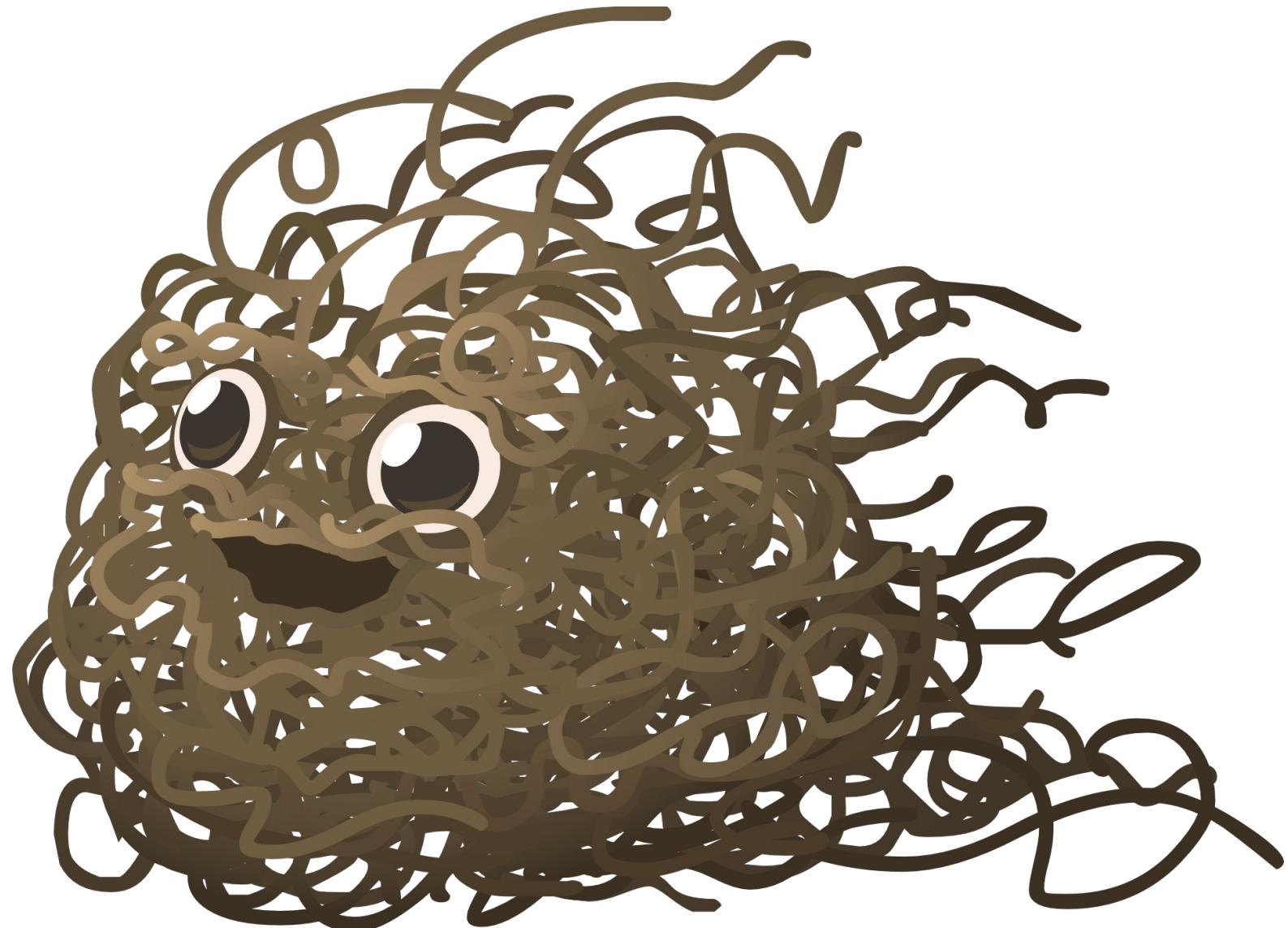
Creating And Maintaining The Standards For Open Source Licensing And Security



Our Mental Model Of The Supply Chain



The Actual Supply Chain





OPENCHAIN

67.4%

of managers monitor their supply chain with Excel spreadsheets



94%

of companies do not have full visibility of their supply chain

<https://www.zippia.com/advice/supply-chain-statistics/>

> 93%

of codebases use open source

53%

of codebases have license compliance issues
(down from 65% in 2020)

81%

of codebases have security vulnerabilities



OPENCHAIN

40%

potential savings available via supply chain optimization

57%

of companies see supply chain management as a competitive edge

70%

of companies see supply chains as a driver for customer service

Context: This Is Important To Business



Open Source License Compliance and Security Assurance
is a key part of supply chain management.

We Got Together To Improve The Supply Chain



arm



BMW
GROUP
BMW Car IT

BOSCH

CARIAD
A VOLKSWAGEN GROUP COMPANY

CISCO

COMCAST

ERICSSON

FUJITSU

Google

HITACHI
Inspire the Next

HONOR

HUAWEI

Meta

Microsoft

MOXA®

NEC

OPPO

Panasonic

Qualcomm
Qualcomm Technologies, Inc.

SIEMENS

SONY

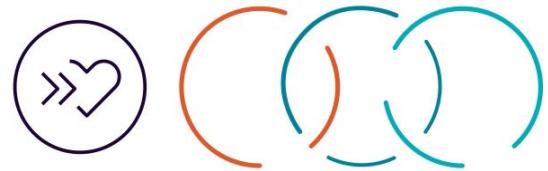
TOSHIBA

TOYOTA

Uber



Our Newest Board Member: CARIAD for VW



(not an official VW ID.4)

Members Represent Over 5.9 Trillion USD In Market Value



Broader Community

Main Work Groups:

- Specification (Spring 2016~)
- Education (Autumn 2020~)

Community Work Groups:

- Tooling (Summer 2019~)
- Export Control (Winter 2022~)
- Public Policy (Winter 2022~)

Special Interest Groups:

- Automotive (Summer 2019~)
- Telecom (Spring 2021~)

Regional User Groups

- Japan (Dec 2017~)
- Korea (Jan 2019~)
- India (Sept 2019~)
- China (Sept 2019~)
- Taiwan (Sept 2019~)
- Germany (Jan 2020~)
- UK (June 2020~)
- USA (Dec 2020~)



Example Verticals Impacted by OpenChain



Automotive	Banking	Cloud	Consumer	Industrial	SaaS	Service	Silicon	Telco

Platinum Member / Conformance Pending
 Platinum Member + ISO/IEC 5230 Conformant
 ISO/IEC 5230 + DIS 18974 Conformant

This is a snapshot based on membership and select conformant organizations currently listed on our website. Total conformant numbers are far higher.

Example: [PwC Survey shows 20% of companies in Germany with over 2,000 employees already used ISO/IEC 5230.](#)

Snapshot Represents Over 7.5 Trillion USD In Market Value



Trillions More In Market Value Touched



(Lockheed co-chairs our spec development)



This is a non-exhaustive list of participants on some of our community lists



OPENCHAIN

1,000+

Companies Working On A Better Supply Chain

Trust Built By Process Management



- **OpenChain ISO/IEC 5230:2020**
Since Q4 2016~ as de facto, Q4 2020~ ISO/IEC
The International Standard for open source license compliance.
- **OpenChain ISO/IEC DIS 18974**
Since Q4 2022~ as de facto, Q3 2023 expected ISO/IEC
The industry standard for open source security assurance compliance.

High level process standards

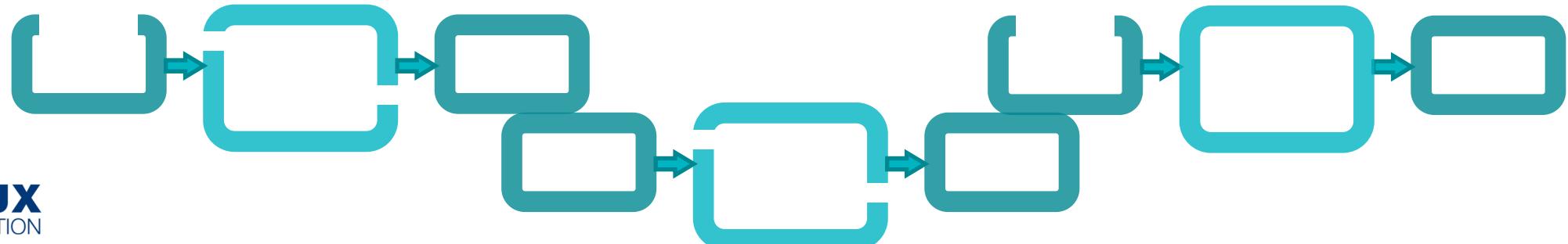
Simple, effective and suitable for companies of all sizes in all markets

Openly developed by a vibrant user community and freely available to all

The Standards Work Company By Company



Result = A More Predictable Supply Chain



Freedom Of Choice In Using Our Standards



1. Self-Certification
2. Independent Assessment
3. Third-Party Certification



Free Self-Certification Material



Section 1: Program foundation

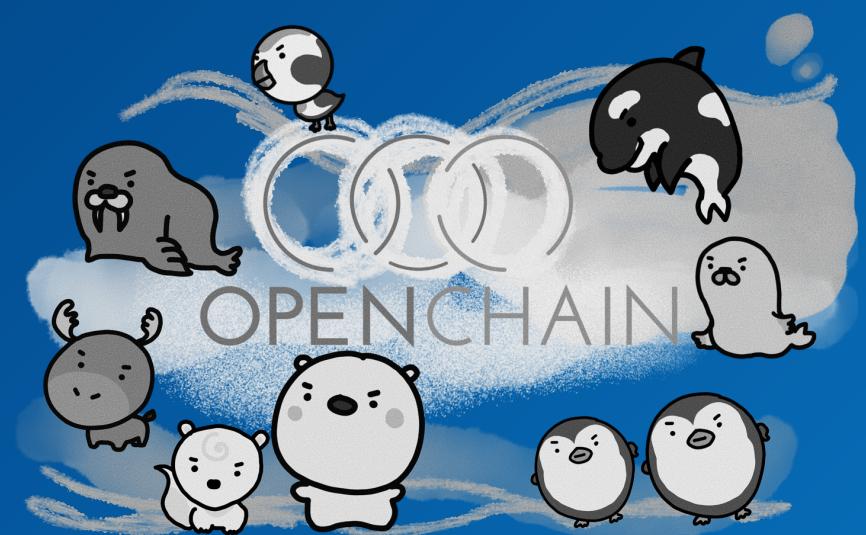
- We have a policy governing the open source license compliance of Supplied Software.
- We have a documented procedure to communicate the existence of the open source policy to all Software Staff.
- We have identified the roles and responsibilities that affect the performance and effectiveness of the Program.
- We have identified and documented the competencies required for each role.
- We have documented the assessed competence for each Program participant.
- We have documented the awareness of our Program participants on the following topics:
 - The open source policy and where to find it;
 - Relevant open source objectives;
 - Contributions expected to ensure the effectiveness of the Program;
 - The implications of failing to follow the Program requirements.
- We have a process for determining the scope of our Program.
- We have a written statement clearly defining the scope and limits of the Program.
- We have a documented procedure to review and document open source license obligations, restrictions and rights.

Section 2: Relevant tasks defined and supported

- We assigned individual(s) responsibility for receiving external open source compliance inquiries.
- The external open source compliance contact is publicly identified (e.g. via an email address or the Linux Foundation Open Compliance Directory).
- We have a documented procedure for receiving and responding to open source compliance inquiries.
- We have documented the persons, group or function supporting the Program role(s) identified.
- We have ensured identified Program roles been properly staffed and adequately funded.
- Legal expertise to address internal and external open source compliance has been identified.
- We have a documented procedure assigning internal responsibilities for open source compliance.



Key News Around ISO/IEC 5230



98 Organizations With Conformant Programs On The OpenChain Website (Totals Higher)



Total conformant numbers are far higher.

Example: [PwC Survey shows 20% of companies in Germany with over 2,000 employees already used ISO/IEC 5230.](#)

Recent Significant ISO/IEC 5230 Conformance



中国移动
China Mobile

CLOUDERA

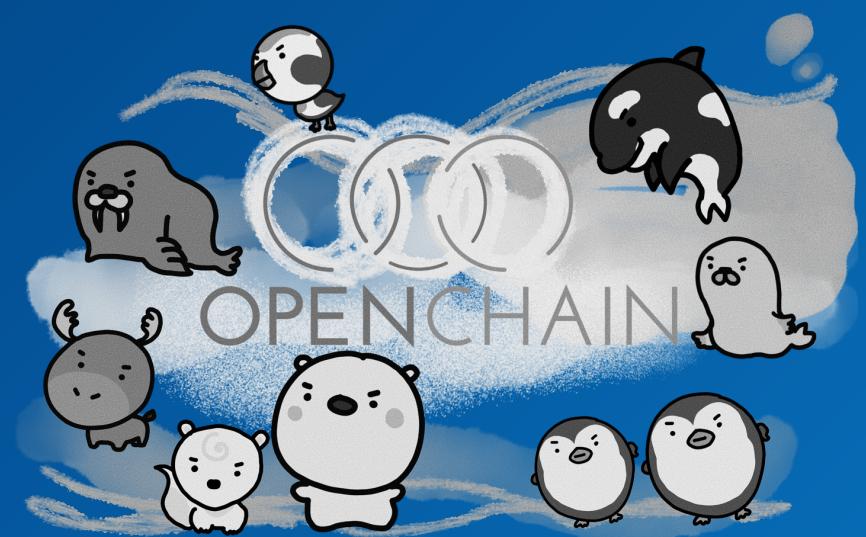
SOCIONEXT™



20%

of German companies with over 2,000 employees
already use OpenChain ISO/IEC 5230

Key News Around ISO/IEC DIS 18974



Momentum Is Growing Around ISO/IEC DIS 18974



OPENCHAIN

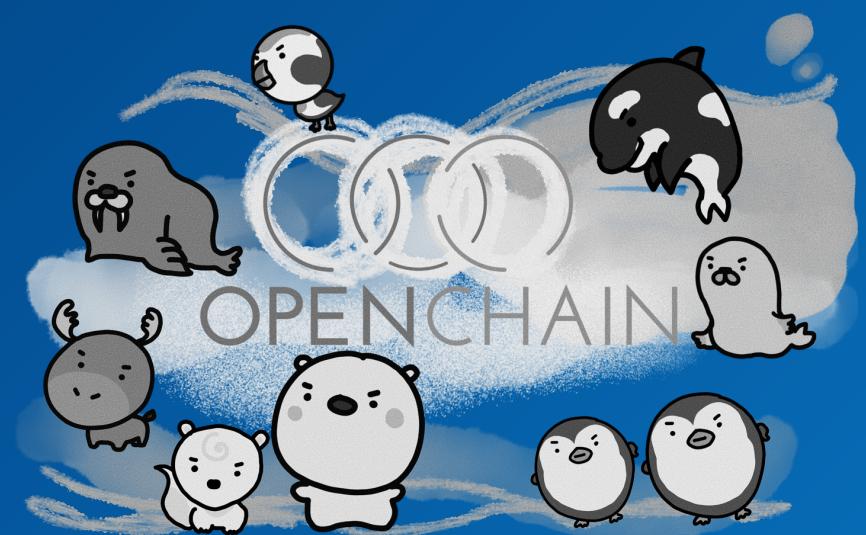
- We expect to complete the Draft International Standard (DIS) process via JTC-1 at the end of June.
- There will be an editorial period after this.
- According to Seth from Joint Development Foundation:

“We will most likely end up passing with edits. We will clean up the editorial things but nothing technically normative and send it back. They will spend another month transposing the final version and give us the ISO number.”

Conformance Continues With De-Facto Standard



What Else Is Happening?



Project Outreach Improvements



ISO/IEC 5230 One Pager Updated

By Shane Coughlan | 2023-03-09 | Featured, News

The ISO/IEC 5230 one page overview has been updated to provide simple, clear messaging about how and why the International Standard for open source license compliance provides value to companies in the supply chain.

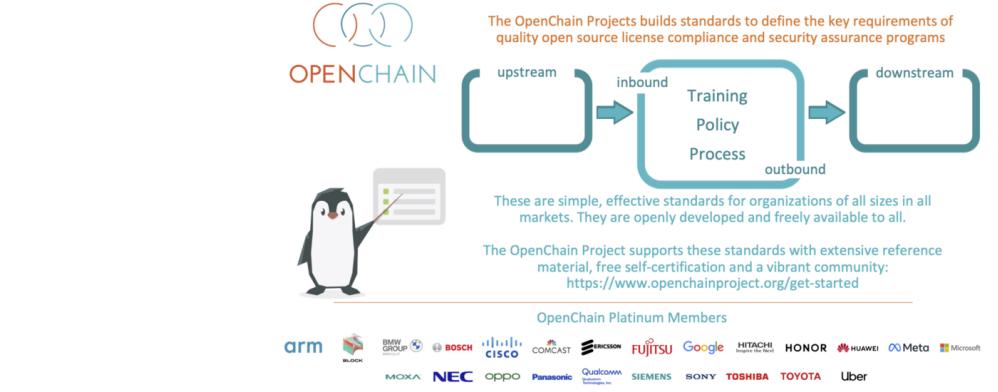
This document is available in [PDF format](#), [PNG format](#) or [InDesign format](#). You may take it, use it, share it and remix it freely using the terms of the [CC0 license](#), effectively public domain.

You can help us improve this document, translate it and convert it into new formats through the [OpenChain GitHub Reference Library](#). We are actively seeking a Markdown version for ease of future iteration.



OpenChain Project One Slide Overview Updated

By Shane Coughlan | 2023-03-10 | Featured, News



The one slide overview of the OpenChain Project has been updated to provide simple, clear messaging about how and why our work provides value to companies in the supply chain.

Project Participation Improvements



Improved OpenChain Community Calendar

By Shane Coughlan

2023-02-27

News

Today Tuesday, May 9

[Week](#) [Month](#) [Agenda](#)

Tuesday, May 9

07:00 Automation & SBOM 合同ミーティング (OpenChain Japan-WG)

21:30 OpenChain Mini-Summit - Co-Located with Open Source Summit North America - Vancouver (14:00 to 17:00 Pacific)

Thursday, May 11

16:00 OpenChain Education Work Group Call

Friday, May 12

06:00 OSPO Local Meetup - Japan (Japanese Speaking)

Tuesday, May 16

01:00 OpenChain Monthly Community Call - 09:00 CST (01:00 UTC) on 3rd Tuesday

Wednesday, May 17

16:00 OpenChain Automation Work Group - Third Wednesday Meeting

Thursday, May 18

06:00 OpenChain Japan Work Group @ NEC

Thursday, May 25

16:00 OpenChain Legal Work Group Meeting - Model Provisions for Procurement Discussions and Contracts

17:00 OpenChain Education Work Group Call

Friday, May 26

06:00 OSPO Local Meetup - Japan (Japanese Speaking)

Thursday, June 1

07:00 OpenChain Telco Work Group Monthly Meeting - Morning

15:00 OpenChain Telco Work Group Monthly Meeting - Afternoon

Wednesday, June 7

08:00 OpenChain Automation Work Group - First Wednesday Meeting

Events shown in time zone: Coordinated Universal Time

[Google Calendar](#)

The OpenChain Community Calendar has been revamped to make it much easier to find and attend our events. The new calendar view is in list format and is now present on both our landing page and our participation page.

Project Reference Material Improvements



OpenChain Reference Library – Complete Overhaul

By Shane Coughlan | 2023-02-24 | Featured, News

A screenshot of a GitHub repository page. The repository name is "OpenChain-Project / Reference-Material" and it is public. The page shows a list of files and their commit history. The commits are all from "shane coughlan" and are related to reordering the repository for navigation. The commits are dated from "yesterday" to "4 months ago". The repository has 278 commits, 10 issues, 3 pull requests, and 14 discussions. It has 32 forks and 41 stars. There are sections for "About", "Releases", "Packages", and "Contributors".

File	Description	Date
.github/ISSUE_TEMPLATE	Create agenda_minutes.md	4 months ago
Adoption-Case-Studies	Improved discoverability	yesterday
Adoption-Preparation	Further improved navigation	yesterday
Education-For-Internal-Teams	Reordered Repo for navigation	yesterday
Education-For-Suppliers	Improved discoverability	yesterday
General-Compliance-Support-...	Reordered Repo for navigation	yesterday
General-Tooling-Support-Mater...	Reordered Repo for navigation	yesterday
Getting-Started	Reordered Repo for navigation	yesterday
Official-Project-FAQ	Reordered Repo for navigation	yesterday
Official-Project-Templates	Improved structure	yesterday
Self-Certification	Reordered Repo for navigation	yesterday
Training-Courses/Reference-Tra...	Re-ordered material further	yesterday
.gitignore	Added all the reference materials for the project	3 years ago
CONTRIBUTING.md	Reordered Repo for navigation	yesterday
LICENSE	Reordered Repo for navigation	yesterday
README.md	Update README.md	4 months ago

The OpenChain Reference Library has been significantly updated to improve navigation. This is an administrative item that was pending for a while. Its completion should make it possible (and easy!) for anyone to access our library and find material. It should also make it a lot easier for our Education Work Group to assess and improve or expand existing material.

Producing New And Improved Material

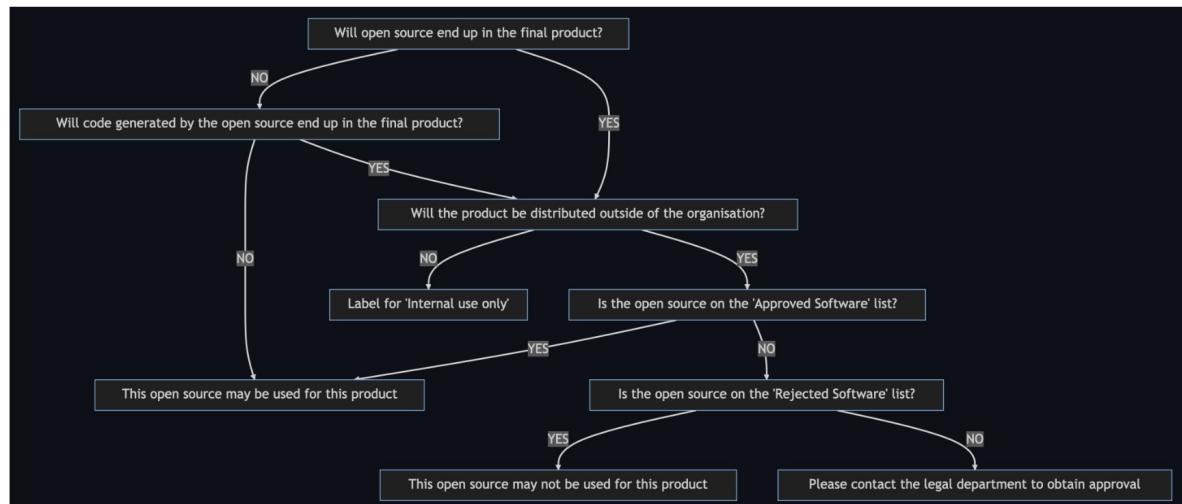


GPLv2 Compliance Flowcharts Updated

By Shane Coughlan | 2023-04-13 | News

The OpenChain Project GPLv2 Compliance Flowcharts have been updated. Originally published in the book [Practical GPL Compliance](#), these flowcharts are intended to help address some common compliance workflows. Thanks to Jacob Wilson, they have been moved into Markdown format, and can now be easily added to websites, elearning platforms and more.

Example: Flowchart #0 – How Do I Distribute



You can access and download these flowcharts in our Reference Library. Like the rest of our material, they are released under CC-0 licensing.

Use Of Our Reference Material By The Market



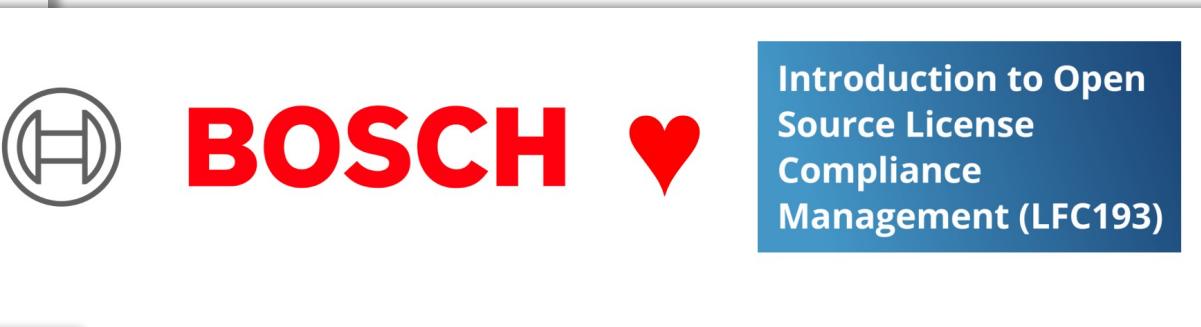
Introduction to Open Source License Compliance Management (LFC193)

Continental made LFC193 a required course for their software developers from late Q3



Introduction to Open Source License Compliance Management (LFC193)

KPMG AG asks their developers and architects to complete LFC193



Introduction to Open Source License Compliance Management (LFC193)

Bosch has asked suppliers and requires external developers to use LFC193 since Q4 2021

Continuing Our Educational Webinars



OpenChain Webinar #51 – An Update On ClearlyDefined

By Shane Coughlan | 2023-04-26 | News, Webinar



OpenChain Webinar #51 featured an update on [ClearlyDefined](#) by Nick Vidal at the Open Source Initiative (OSI). A lot has happened since we last covered this project for open source metadata, including the move to a new home at OSI.

Many Events



OpenChain @ Legal and Licensing Workshop 2023 – Gothenburg, Sweden – 2023-04-21

By Shane Coughlan | 2023-04-21 | News



The OpenChain Project was featured at the FSFE Legal and Licensing Workshop 2023 held in Sweden during April. This annual event brings together legal experts from around the world to discuss open source and open-related legal matters.

OpenChain @ OSCAR Open Source Supply Chain Salon (OSCAR开源供应链沙龙) – 2023-04-03

By Shane Coughlan | 2023-04-04 | News



CAICT and OpenChain held an OSCAR Open Source Supply Chain Salon on the 3rd of April 2023 with ISO/IEC 5230 third-party conformance announcements from:

OpenChain @ 2nd China Automotive Cyber Security and Data Security Conference 2023

By Shane Coughlan | 2023-04-20 | News



OpenChain Project has been featured at the 2nd China Automotive Cyber Security and Data Security Conference 2023 in a talk delivered by Zhang JunXia of CAICT. This is part of our long-running collaboration with CAICT to encourage companies of all sizes in the Chinese market to adopt and use ISO/IEC 5230, the international standard for open source license compliance.

Including Our Standards In Publications



OpenChain ISO/IEC Featured In Journal Of Software (软件学报)

By Shane Coughlan | 2023-03-13 | Featured, News

OpenChain ISO/IEC 5230:2020 is featured positively in the 'Survey on Open-source Software Supply Chain Security' published in the [Journal Of Software \(软件学报\) Volume 33, Issue 3, 2023](#).

This article by JI Shou-Ling, WANG Qin-Ying, CHEN An-Ying, ZHAO Bin-Bin, YE Tong, ZHANG Xu-Hong, WU Jing-Zheng, LI Yun, YIN Jian-Wei and WU Yan-Jun is worth reading in full for insight from a key market space for open source.

OpenChain @ IAM

By Shane Coughlan | 2023-05-24 | Featured, News

Jimmy Ahlberg (OpenChain Chairperson) and Eleftheria Stefanaki have published an article entitled 'Efficient IP management in a market increasingly using open source' on IAM.

From The Article

Imagine finding out that 90% of the software in your products is not yours but only licensed in as third-party IP. As soon as you start reading the agreements, you realise some of them contain terms you are not familiar with or have never even heard of before, such as "source code", "binary", "object code", and "system libraries". Moreover, you cannot find basic contractual provisions such as "governing law" or "jurisdiction" in the agreements. These agreements (and there are hundreds of them) are all different, non-negotiable, 'take-it-or-leave-it' standard template licences.

And So Much More...



OpenChain and FSFE bring you REUSE.software Specification 3.0 as CC0

By Shane Coughlan | 2023-05-17 | News



In 2017 the OpenChain Project and FSFE collaborated to make a CC0 version of the REUSE.software Specification 1.0 available for everyone to integrate into their organization processes and business logic. The goal is to eliminate any friction in leveraging this mechanism for better software management.

We are pleased to announce the REUSE.software Specification 3.0 is now available as CC0. You can access it via the OpenChain GitHub:
<https://github.com/OpenChain-Project/Reference-Material/blob/master/General-Compliance-Support-Material/REUSE.software/en/REUSE.software-3.0.md>

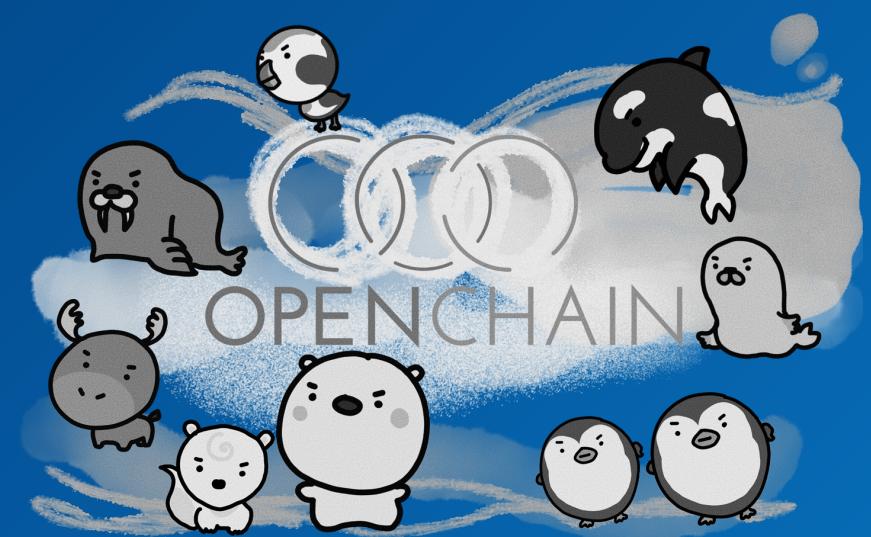
Updated OpenChain Conformance Badges

By Shane Coughlan | 2023-05-17 | News



The OpenChain Project provides the global community with conformance badges. These allow organizations to easily show they have an OpenChain Standard-Related Program.

Building The Future



Licensing and Security Specification Editing



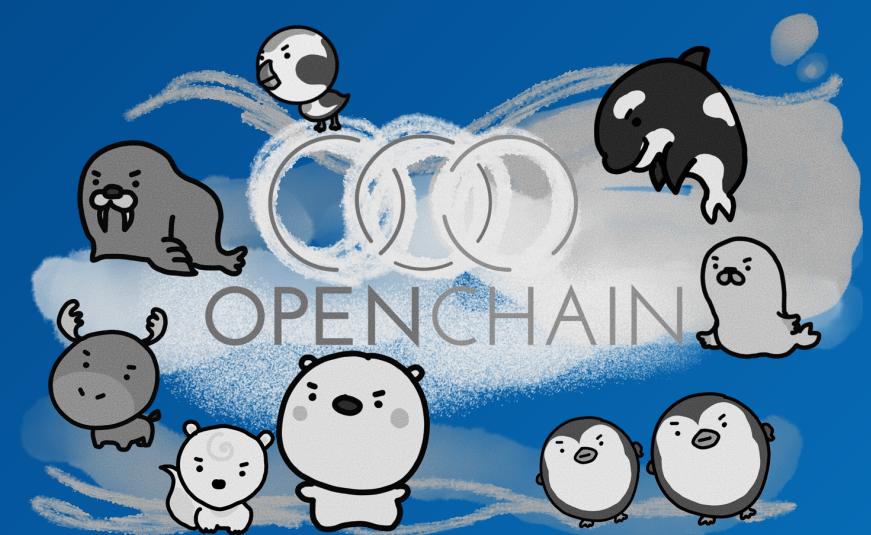
- We are editing the next generations of our standards, with solid feedback on issues, and changes heading in the direction of improved clarity.
- The open and closed issues are tracked via GitHub:
Licensing: <https://github.com/OpenChain-Project/License-Compliance-Specification/issues>
Security: <https://github.com/OpenChain-Project/Security-Assurance-Specification/issues>
- The draft next generation specifications are also hosted on GitHub:
Licensing: <https://github.com/OpenChain-Project/License-Compliance-Specification/blob/master/3.0/en/openchain-license-compliance-3.0.md>
Security: <https://github.com/OpenChain-Project/Security-Assurance-Specification/blob/main/Security-Assurance-Specification/2.0/en/openchain-security-specification-2.0.md>
- As are the slides used for every meeting (two meetings per month):
<https://github.com/OpenChain-Project/Meeting-Minutes/tree/main/Slides>

Model Language For Procurement



- We launched a Legal Work Group on the 25th of April 2023.
- We are exploring model provisions for including OpenChain ISO/IEC 5230 and OpenChain ISO/IEC DIS 18974 in procurement contracts or similar material. The goal is to ensure people can understand options. We will not be prescriptive, and these model provisions will remain part of the OpenChain reference material. They will not be included in the standards themselves.
 - The call started by looking at model provisions done before via the [Risk Grid](#).
 - The document, under public domain, has been [moved to the OpenChain GitHub](#) for ease of access and editing.
- Our outcome was to use this basic format to structure our first round of model provisions, and to have the option of merging the documents in the future.

Cool Commerical Provider Data Points



OpenChain Has 11 Official Third-Party Certifiers



OPENCHAIN



ESI 中国电子技术标准化研究院
China Electronics Standardization Institute



OpenChain Has 27 Official Service Providers



{metæffekt}

Alektō *Metis*
...we enable digital innovation.

bitsea.

C/C CYBELLUM



FOSSAware

Hitachi
Solutions

LYRA
Infosystems

NTT DATA
Trusted Global Innovator

OSLN

Open
Source
Sense

opsequo

ORCRO

OSADL

OSPOCO

OSS
CONSULTANTS

pwc

SeQuenX
Software Quality Engineering Excellence

SOFTWARE COMPLIANCE
ACADEMY

SOURCE
Auditor
"Keeping Your Source Code Yours"

Source Code Control
Open Source Risk Management Specialists

SYNERGON
YOUR IP DEPARTMENT

SYNOPSYS®

TIMETOACT
SOFTWARE & CONSULTING

TogánLabs

webpartner
kommunikationsdienste GmbH

wipro

OpenChain Has 22 Official Legal Providers



理慈 Lee, Tsai & Partners



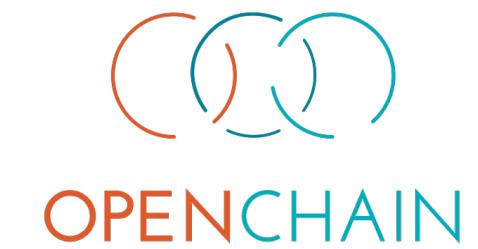
South Toranomon Law Offices



taylor | english



OpenChain Has 12 Official Tooling Vendors



C/C CYBELLUM

FOSSA

FQSSID

MEND

**onward
SECURITY**



SCAN OSS

SCANTIST

SECTREND

sonatype

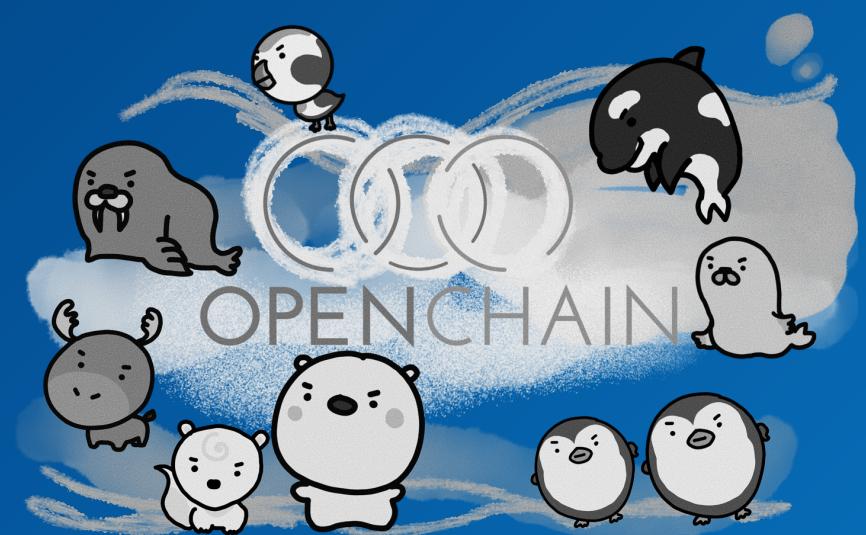
SYNOPSYS®

**Trust
Source**

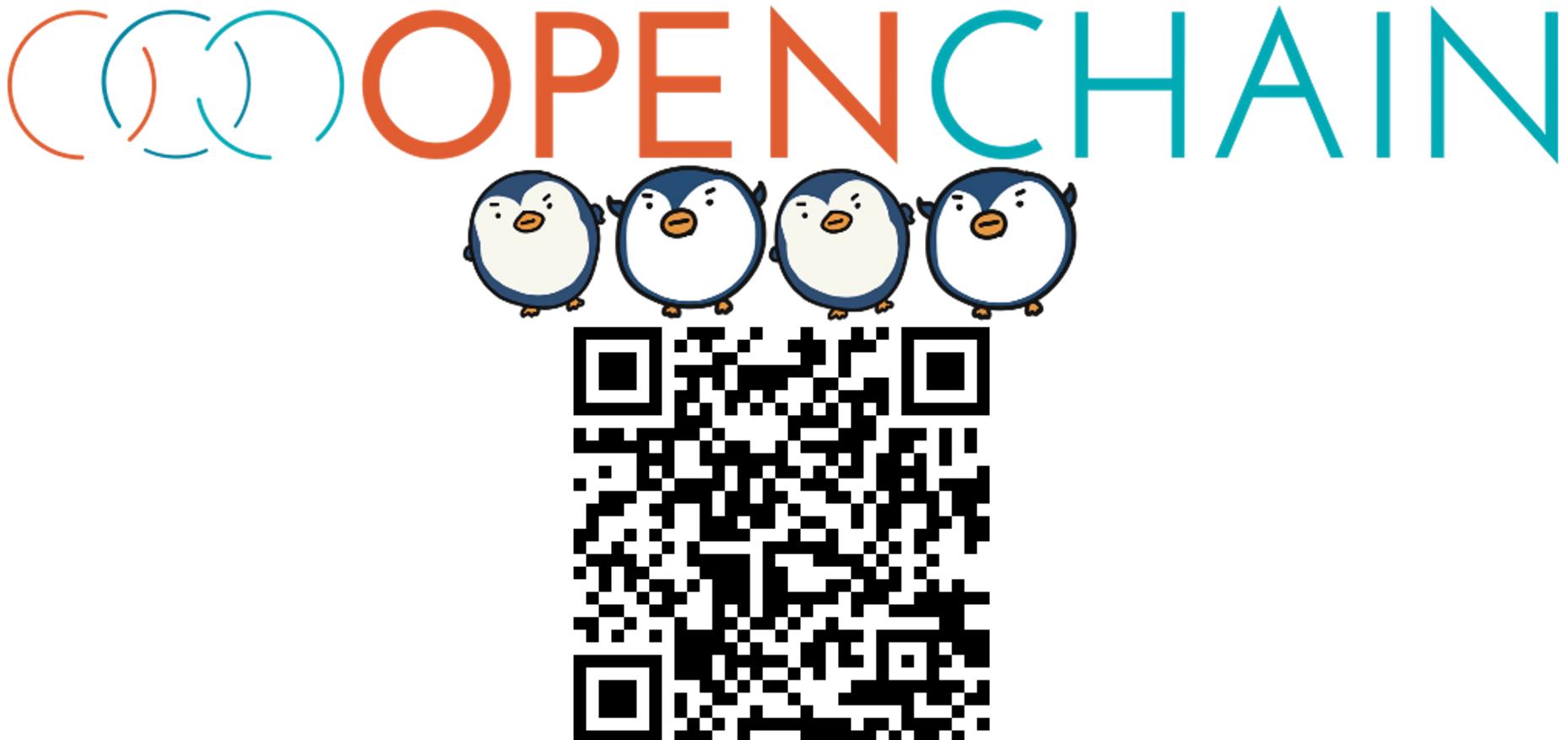
**悬镜
XMINIMON**

tl;dr:

Big Project, Big Community.
Plenty Commercial Support Too.



Get Started With Your Adoption and Participation



<https://www.openchainproject.org/participate>