



TAC Meeting

11 April 2023

Antitrust Policy Notice

Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at linuxfoundation.org/antitrust-policy. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrave of the firm of Gesmer Updegrave LLP, which provides legal counsel to the Linux Foundation.

Agenda

Opening (15 Minutes) 4:00 - 4:10 pm

- **Landscape updates**
- **TAC Sponsors for projects**
- **Summary of last TAC meeting**

TAC Business (75 Minutes) 4:10-5:25 pm

- SEAPATH Project Status 4:10 - 4:15 pm
- Workgroup Review Process Discussion 4:15 - 4:35 pm
- Archimate Architecture Requirement Discussion 4:35 - 4:55 pm
- Shapeshifter Annual Review 4:55 - 5:15 pm
- Marketing for Projects 5:15 - 5:25 pm

Closing and Next Meeting (5 Minutes) 5:25- 5:30 pm

Project Review Cycle

Working Groups				
Group	Current Level	Initially Accepted	Last Review	Next Review
Archimate Working Group	Active	October 4, 2022		October 17, 2023
Carbon Data Specification Consortium (CDSC)	Standards	January 25, 2022		TBD
SAM (Super Advanced Meter)	Standards	March 29, 2022		March 21, 2023* TBD

2024 Future Reviews				
Project	Current Level	Initially Accepted	Last Review	Next Review
OpenFIDO	Sandbox	January 17, 2023		January 9, 2024
SEAPATH	Incubation	October 6, 2020	January 17, 2023	January 9, 2024
Hyphae	Incubation	December 8, 2020	February 7, 2023	February 20, 2024
Power Grid Model	Sandbox	February 7, 2023		February 20, 2024
FledgePOWER	Incubation	February 11, 2021	March 21, 2023	March 12, 2024
SOGNO	Early Adoption	October 27, 2020	March 21, 2023	March 12, 2024

Upcoming Reviews				
Project	Current Level	Initially Accepted	Last Review	Next Review
Shapeshifter	Incubation	April 6, 2021	April 19, 2022	April 11, 2023
CoMPAS	Incubation	May 5, 2020	July 12, 2022	June 20, 2023
OperatorFabric	Early Adoption	April 30, 2019	June 21, 2022	June 20, 2023
Arras	Sandbox	July 12, 2022		July 18, 2023
Grid Capacity Map	Incubation	April 27, 2021	July 12, 2022	July 18, 2023
OpenEEMeter	Incubation	June 4, 2019	September 13, 2022	September 26, 2023
GXF	Early Adoption	February 4, 2020	October 4, 2022	October 17, 2023
OpenGEH	Sandbox	October 12, 2021	October 4, 2022	October 17, 2023
RTDIP	Sandbox	October 25, 2022		November 7, 2023
OpenSTEF	Incubation	September 21, 2021	October 25, 2022	November 7, 2023
FlexMeasures	Incubation	November 2, 2021	November 15, 2022	November 28, 2023
PowSyBI	Early Adoption	April 30, 2019	November 15, 2022	November 28, 2023
Dynawo	Sandbox	December 6, 2022		December 5, 2023
EVERest	Early Adoption	October 12, 2021	December 6, 2022	December 19, 2023
OpenLEADR	Incubation	September 15, 2020	December 6, 2022	December 19, 2023

Project Review Cycle

Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
FledgePOWER	Incubation	February 11, 2021	February 15, 2022	March 21, 2023
SOGENO	Early Adoption	October 27, 2020	March 8, 2022	March 21, 2023
OCPP Cloud Connector	Sandbox	March 8, 2022		March 21, 2023
Shapeshifter	Incubation	April 6, 2021	April 19, 2022	April 11, 2023
COMPAS	Incubation	May 5, 2020	July 12, 2022	June 20, 2023
OperatorFabric	Early Adoption	April 30, 2019	June 21, 2022	June 20, 2023
Arras	Sandbox	July 12, 2022		July 18, 2023
Grid Capacity Map	Incubation	April 27, 2021	July 12, 2022	July 18, 2023
OpenEEmeter	Incubation	June 4, 2019	September 13, 2022	September 26, 2023
GXF	Early Adoption	February 4, 2020	October 4, 2022	October 17, 2023
OpenGEH	Sandbox	October 12, 2021	October 4, 2022	October 17, 2023
Archimate Working Group	Active	October 4, 2022		October 17, 2023
RTDIP	Sandbox	October 25, 2022		November 7, 2023
OpenSTEF	Incubation	September 21, 2021	October 25, 2022	November 7, 2023
FlexMeasures	Incubation	November 2, 2021	November 15, 2022	November 28, 2023
PowSyBI	Early Adoption	April 30, 2019	November 15, 2022	November 28, 2023
EVerest	Early Adoption	October 12, 2021	December 6, 2022	December 19, 2023
OpenLEADR	Incubation	September 15, 2020	December 6, 2022	December 19, 2023
Dynawo	Sandbox	December 6, 2022		December 5, 2023
OpenFIDO	Sandbox	January 17, 2023		January 17, 2023
SEAPATH	Incubation	October 6, 2020	November 23, 2021	January 17, 2023
Hyphae	Incubation	December 8, 2020	February 7, 2023	February 20, 2024
Power Grid Model	Sandbox	February 7, 2023		February 20, 2024
Carbon Data Specification Consortium (CDSC)	Working Group	January 25, 2022		TBD
SAM (Super Advanced Meter)	Working Group	March 29, 2022		March 21, 2023* TBD

TAC Voting Members

New members in **bold**

Full Name	Account Name	Appointed By
Boris DOLLEY	RTE (Reseau de Transport dElectricite)	Vote of TSC Committee - OperatorFabric
Anne Tilloy	RTE (Reseau de Transport dElectricite)	Vote of TSC Committee - PowSyBI
Carmen Best	Recurve	Vote of TSC Committee - OpenEEmeter
Jonas van den Bogaard	Alliander	Membership Entitlement
Maarten Mulder	Alliander	Vote of TSC Committee - GXF
Benoît Jeanson	RTE (Reseau de Transport dElectricite)	Membership Entitlement
Antonello Monti	RWTH Aachen University	Vote of TSC Committee - SOGNO
Art Pope	Google	Membership Entitlement
Avi Allison	Microsoft	Membership Entitlement
Bryce Bartmann	Shell	Membership Entitlement

LF Energy Hosted Project and Working Group Leads

Changes in **bold**

Project	Project Lead(s)
PowSyBI	Anne Tilloy, RTE
OperatorFabric	Boris Dolley, RTE
OpenEEmeter	Carmen Best, Recurve
GXF	Maarten Mulder, Alliander
SOGNO	Antonello Monti, RWTH Aachen University
CoMPAS	Frederic Fouseret, RTE & Sander Jansen, Alliander (TAC Representative)
FledgePOWER	Akli Rahmoun, RTE
Hyphae	Asimena Korompili, RWTH Aachen University
openLEADR	Lonneke Driessen & Stan Janssen, OpenADR
SEAPATH	Aurelien Watore, RTE
Grid Capacity Map	Per Lysemose Hansen, Energinet
Shapeshifter	Robben Riksen, Alliander
OpenSTEF	Frank Kreuwel, Alliander
Everest	Marco Möller, PIONIX
OpenGEH	Per Lysemose Hansen, Energinet
FlexMeasures	Nicolas Höning, Seita Energy Flexibility B.V.
Arras	David Chassin, SLAC
Dynawo	Marco Chiamello, Benoît Jeanson, RTE
OpenFIDO	David Chassin, SLAC
Power Grid Model	Tony Xiang, Alliander
Super Advanced Meter (SAM)	Mark Nigge-Urcher, Alliander
Real Time Data Ingestion Platform (RTDIP)	Bryce Bartmann, Shell
Carbon Data Specification Consortium (CDSC)	TBD

Landscape now with more project info!

We are using the LF Energy Landscape to showcase more project information:

- Mailing List/Slack Channel
- LFX Insights
- SBOM
- Wiki
- TSC Meeting Notes
- Calendar
- Contribution Guidelines

ACTION: Project leads please review your entry and ensure it is accurate; issue PR for any changes needed.



LF Energy Early Adoption LF Project

Open Source Software License Mozilla Public License

CII Best Practices 25%

Crunchbase	crunchbase.com/organization/lf-energy	more... total: 52
LinkedIn	linkedin.com/company/lf-energy	
Twitter	@LFE_Foundation	Latest Tweet this week
First Commit	5 years ago	Latest Commit 3 weeks ago
Contributors	35	Headcount 1-10
Headquarters	San Francisco, California	
Mailing List	https://lists.lfenergy.org/g/sogno-discussion	
Slack Channel	#sogno	
LFX Insights	https://insights.lfx.linuxfoundation.org/projects/lfenergy%2Fsogno	
Wiki Page	https://wiki.lfenergy.org/display/HOME/SOGNO	
SBOM	https://github.com/lfscanning/spdx-lfenergy/tree/main/sogno	
TSC Meeting Notes	https://github.com/sogno-platform/tsc/tree/master/tsc/meetings	
Calendar	https://lists.lfenergy.org/g/sogno-tsc/calendar	
Contribution Guidelines	https://github.com/sogno-platform/tsc/blob/master/CONTRIBUTING.md	

TAC Sponsors for Projects

As part of the benefit for LF Energy projects, the TAC has a sponsor for each project.

“Appointment of an existing TAC member by the TAC that will act as a sponsor of the project and provide recommendations regarding governance best practices.”

ASK: Volunteer to be a TAC sponsor for a project by 4/14 or you will be assigned one :-)

Project	Current Level	TAC Sponsor
Archimate Working Group	Working Group	
Arras	Sandbox	Antonello Monti
CoMPAS	Incubation	
Carbon Data Specification Consortium (CDSC)	Standards	
Dynawo	Incubation	Art Pope
EVERest	Incubation	Bryce Bartmann
FledgePOWER	Incubation	Benoît Jeanson
FlexMeasures	Incubation	
Grid Capacity Map	Incubation	
GXF	Early Adoption	Jonas van den Bogaard
Hyphae	Incubation	Antonello Monti
OpenEEmeter	Incubation	Carmen Best
OpenFIDO	Sandbox	
OpenGEH	Sandbox	
OpenLEADR	Incubation	
OpenSTEF	Incubation	Jonas van den Bogaard
OperatorFabric	Early Adoption	Boris Dolley
PowSyBI	Early Adoption	Anne Tilloy
Power Grid Model	Sandbox	Benoît Jeanson
Real Time Data Ingestion Platform (RTDIP)	Sandbox	
Super Advanced Meter (SAM)	Standards	
SEAPATH	Incubation	Benoît Jeanson
Shapeshifter	Incubation	Jonas van den Bogaard
SOGNO	Early Adoption	Antonello Monti

Summary of Last TAC Meeting

- Meeting notes and deck at <https://wiki.lfenergy.org/display/HOME/Technical+Advisory+Council#TechnicalAdvisoryCouncil-MeetingMinutes>

Updates from the Board

Agenda

Opening (15 Minutes) 4:00 - 4:10 pm

- Landscape updates
- TAC Sponsors for projects
- Summary of last TAC meeting

TAC Business (75 Minutes) 4:10-5:25 pm

- **SEAPATH Project Status 4:10 - 4:15 pm**
- **Work Group Review Process Discussion 4:15 - 4:35 pm**
- **Archimate Architecture Requirement Discussion 4:35 - 4:55 pm**
- **Shapeshifter Annual Review 4:55 - 5:15 pm**
- **Marketing for Projects 5:15 - 5:25 pm**

Closing and Next Meeting (5 Minutes) 5:25- 5:30 pm

SEAPATH Project Status Update

SEAPATH has achieved its [OpenSSF Best Practices 'Silver' badge](#), which was the conditional requirement from the TAC and GB for moving to the 'Early Adoption' stage.

Congratulations!

Id	Name	Description	Website	License	Owner	Last achieved at	Tiered %	Badge
5398	meta-seapath	The mission of the SEAPATH project is to develop a "reference design" and "industrial grade" open source real-time platform that can run virtualized...	https://github.com/seapath	Apache-2.0	Aurélien Wataré	2021-11-22 22:55:06	243%	

Standards Projects lifecycle

Last year, the TAC adopted lifecycles for Standards Projects (<https://wiki.lfenergy.org/display/HOME/Standards+Project+Lifecycle>).

Changes to that program have happened since then.

- Move from the Community Specification model to a formal JDF project entity
- New entity (LF Energy Standards and Specifications) has its own Steering Committee, which oversees all the working groups.

DISCUSSION: Should the LFESS Steering Committee own the Standards Project Lifecycle? If so, then what should be the TAC's role going forward?

Archimate Architecture Requirement Discussion

The Archimate working group has brought forth a recommendation to add a requirement to the Technical Projects lifecycle for each Incubation Stage project to have it's architecture documented at <https://lfenergyarchitecturemodel.github.io/lfenergyfunctionalarchitecturemodel/>

DISCUSSION: Should this requirement be added? What needs do projects have to achieve this?

Shapeshifter Annual Review



Marketing for Projects



Marketing and PR Updates

dbrown@linuxfoundation.org

+1 415-420-7880

- LF Energy Summit
 - 82 registrations as of 4/5
 - Working to finalize keynotes from White House and EU Commission
- LF Energy Embedded Summit
 - Agenda to be announced 4/13
- Recent media coverage:
 - [Think Smartgrids - L'open source se fraye une place dans les stratégies numériques des opérateurs de réseaux électriques](#)
 - [Climate Tech Review - LF Energy is Accelerating the Energy Transition through Open-Source Technology](#)
- Current Media Opportunities
 - T&D World - feature on LF Energy
 - GitHub The README Project - feature on how open source is driving the energy transition
- Marketing Advisory Committee meeting took place March 23 ([Deck](#) / [Minutes](#) / [Recording](#)) - next meeting Apr 27
- Use this [form](#) to submit any comms/marketing support requests

Events Updates

- SustainabilityCon North America - May 10-12, Vancouver
 - Agenda went live March 14
- LF Energy Summit - June 1-2, Paris
 - Agenda went live March 9
 - Early Bird pricing ended March 17; standard registration pricing valid through May 19
 - Sponsorships are still available! [Details](#)
- LF Energy Embedded Summit - June 30, Prague
 - Speaking proposals closed Feb 27 and are reviews are in progress
 - Agenda will be announced April 13
- SustainabilityCon Europe - Sept 19-21, Bilbao
 - Speaking proposals being accepted through May 2

IEC61850 Week Opportunities

The organizers of IEC61850 Week, taking place 16-20 October in Amsterdam, have reached out to Sander Jansen of Alliander expressing that after closing speaking submission, there are some large gaps in their program. They need speakers/projects to address:

14. Inter-Substation – implementing IEC 61850 enabled wide area networks based to support the reliable transfer of data between substations

15. Control Centre – interworking IEC 61850 and CIM to support the extended grid as the number of DER assets integrating into the grid increases

16. Hydropower – updating on the latest IEC 61850 standardization activity for hydropower and determining the implications for the community and future market development activity

20. Cybersecurity – leveraging IEC 62351 and IEC 62443 as framework for fully securing legacy IEC 61850 enabled systems and evolving virtualized and centralized substations

21. Data Management – leveraging Edge Computing, Cloud and AI&ML to support IEC 61850 enabled substation process

Note: Only representatives from utilities may speak for no cost; private organizations must sponsor the event in order to speak.

Agenda

Opening (15 Minutes) 4:00 - 4:10 pm

- Landscape updates
- TAC Sponsors for projects
- Summary of last TAC meeting

TAC Business (75 Minutes) 4:10-5:25 pm

- SEAPATH Project Status 4:10 - 4:15 pm
- Work Group Review Process Discussion 4:15 - 4:35 pm
- Archimate Architecture Requirement Discussion 4:35 - 4:55 pm
- Shapeshifter Annual Review 4:55 - 5:15 pm
- Marketing for Projects 5:15 - 5:25 pm

Closing and Next Meeting (5 Minutes) 5:25- 5:30 pm

Next TAC Meeting

The next meeting of the LF Energy TAC is scheduled for 2 May 2023 at 8:00 am US Pacific Time/11:00 am US Eastern Time/4:00 pm Central European Time.

NOTE: *New meeting invite for series titled 'LF Energy TAC meeting (2023)' from 'LF Energy (LFE) - Meetings <meetings@lfx.linuxfoundation.org>'. Register for meeting at: <https://zoom-lfx.platform.linuxfoundation.org/meeting/98588947265>*
Please remove all other meeting invites.

Agenda will include:

- Recap of last TAC Meeting



Thank you!