

# OCTT (OCPP Compliance Test Tool) Update

Open Charge Alliance Plugfest, February 27<sup>th</sup> & 28<sup>th</sup>. 2024

[www.OpenChargeAlliance.org](http://www.OpenChargeAlliance.org)



# Agenda

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1. Introduction (What Is it)
2. OCPP Pricing/Subscription Model
3. Today's Release\_2024\_02
4. OCTT Roadmap
5. Finalizing the OCPP 2.0.1 testcases
6. Demo
7. Questions & Answers



# What is OCTT?

OCTT is an OCPP Conformance Test Tool

1

**Validation** of an implementation to ensure compatibility across the industry

2

**Development** of your own products



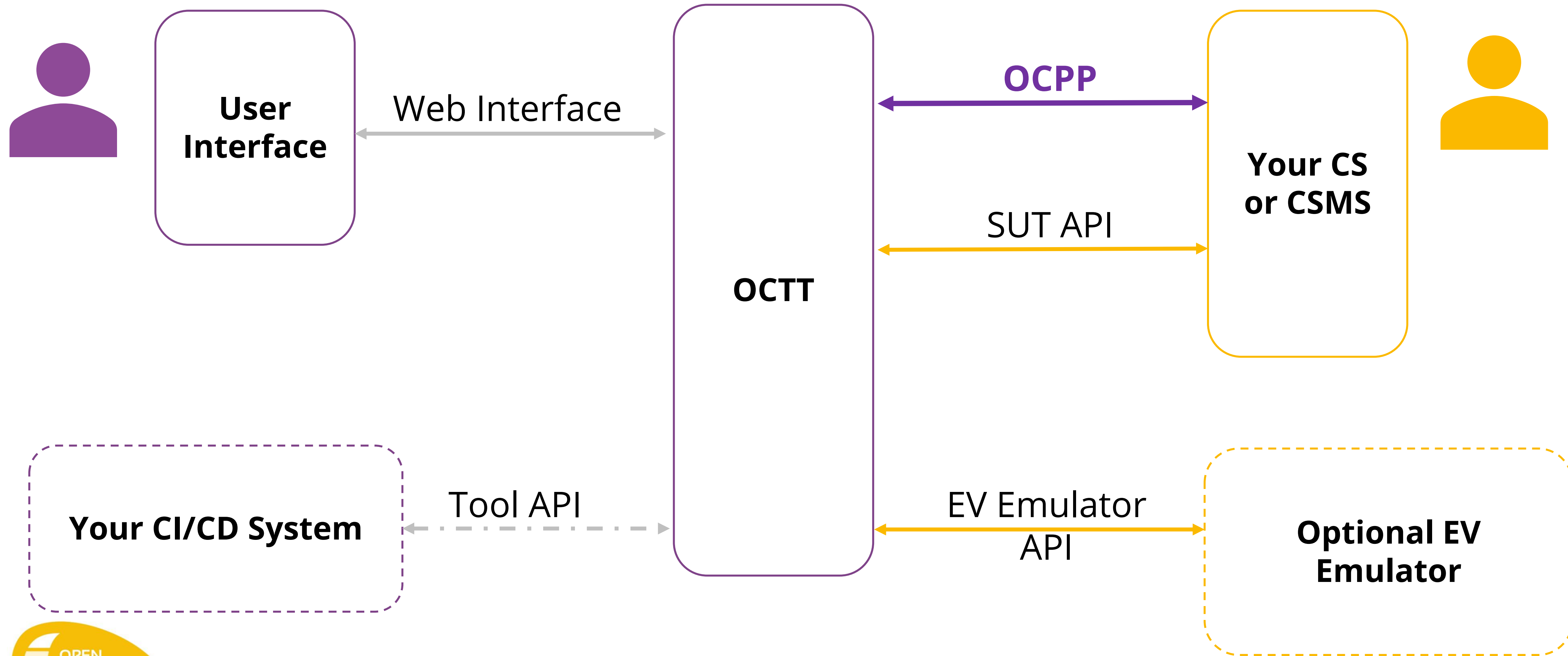
Although it acts as your CS/CSMS's OCPP counterpart

OCTT is **not** a  
CS or CSMS simulator

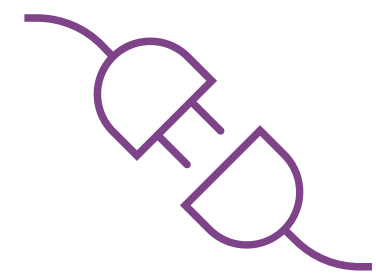
It is only intended to run the  
pre-specified test case scenarios



# High-level overview of OCTT



# Test Automation API



API for integration with your test system, CI/CD or test execution scripts

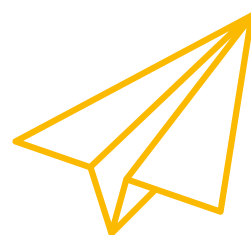
## SUT API



Automate manual actions

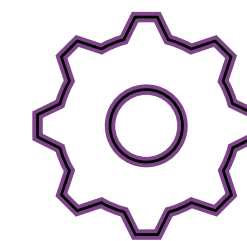


Automate EV changes (CS)

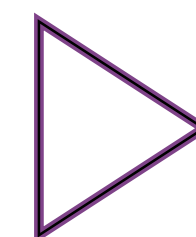


Trigger Messages (CSMS)

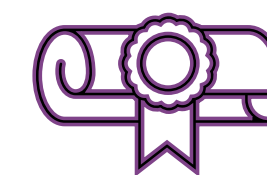
## Tool API



Change Configuration



Run Testcases



Get testcase results



# OCTT License / Subscription Model

	OCA PARTICIPANT	NONPARTICIPANT	
<b>OCPP 1.6 Testcase set</b>	€6.000,- (One-time fee)	€15.000,- (One-time fee)	- You can purchase the OCPP 1.6 test case set to test for OCPP 1.6 conformance.
<b>OCPP 2.0.1 Testcase set</b>	€3.000,- (One-time fee)	€15.000,- (One-time fee)	- You can purchase the OCPP 2.0.1 test case set to test for OCPP 2.0.1 conformance.
<b>Instance (s)</b>	€2.000,- per instance (One-time fee)	€4.000,- per instance (One-time fee)	- You must purchase 1 or more instances to use OCTT - An instance is a single copy of the OCTT software hosted by the Open Charge Alliance. Each instance can test a single Charging Station or Management System at a time.
<b>Annual subscription fee per instance</b>	€1.800,- (Anually)	€2.400,- (Anually)	- Per instance you will pay an annual fee for running costs and maintenance. - This fee is pro rata (based on the remaining months till the end of the calendar year).

- Dual License and Subscription model.
- OCTT is cloud service hosted in AWS, OCA provides this service and takes care of running and updating it
- OCTT is single-user, one instance allows testing 1 system/device at a time, (acquire multiple instances to run multiple tests simultaneously)



# Today's OCTT Release

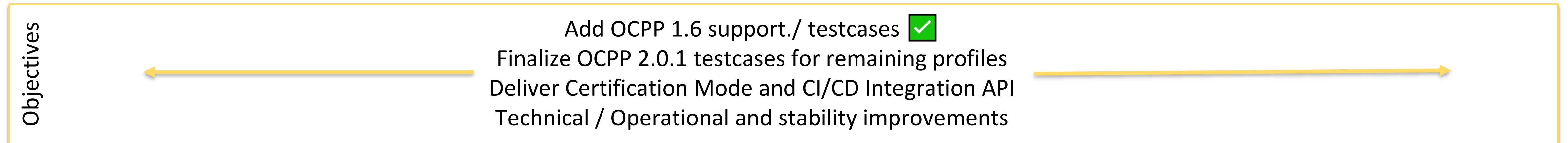
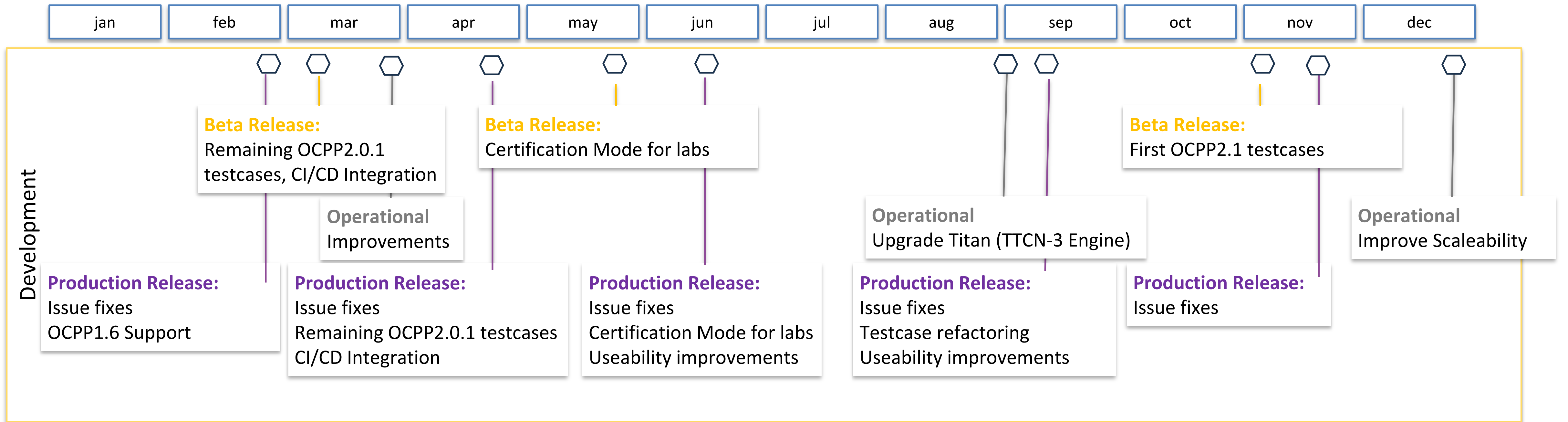
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- Today we have deployed Release\_2024-02
  - Built in support for multiple OCPP Versions
  - Added OCPP 1.6 support and Testcase set (requires separate license)
  - Added more OCPP 2.0.1 testcases
  - Implemented 2024-02 Errata (Reset EVSE, PowerPathClosed)
  - Added support for Central Authorization Type
  - Stability fixes and technical improvements
  - Preparations for CI/CD integration, including changes to the SUT API
    - The SUT API has changed in an incompatible way



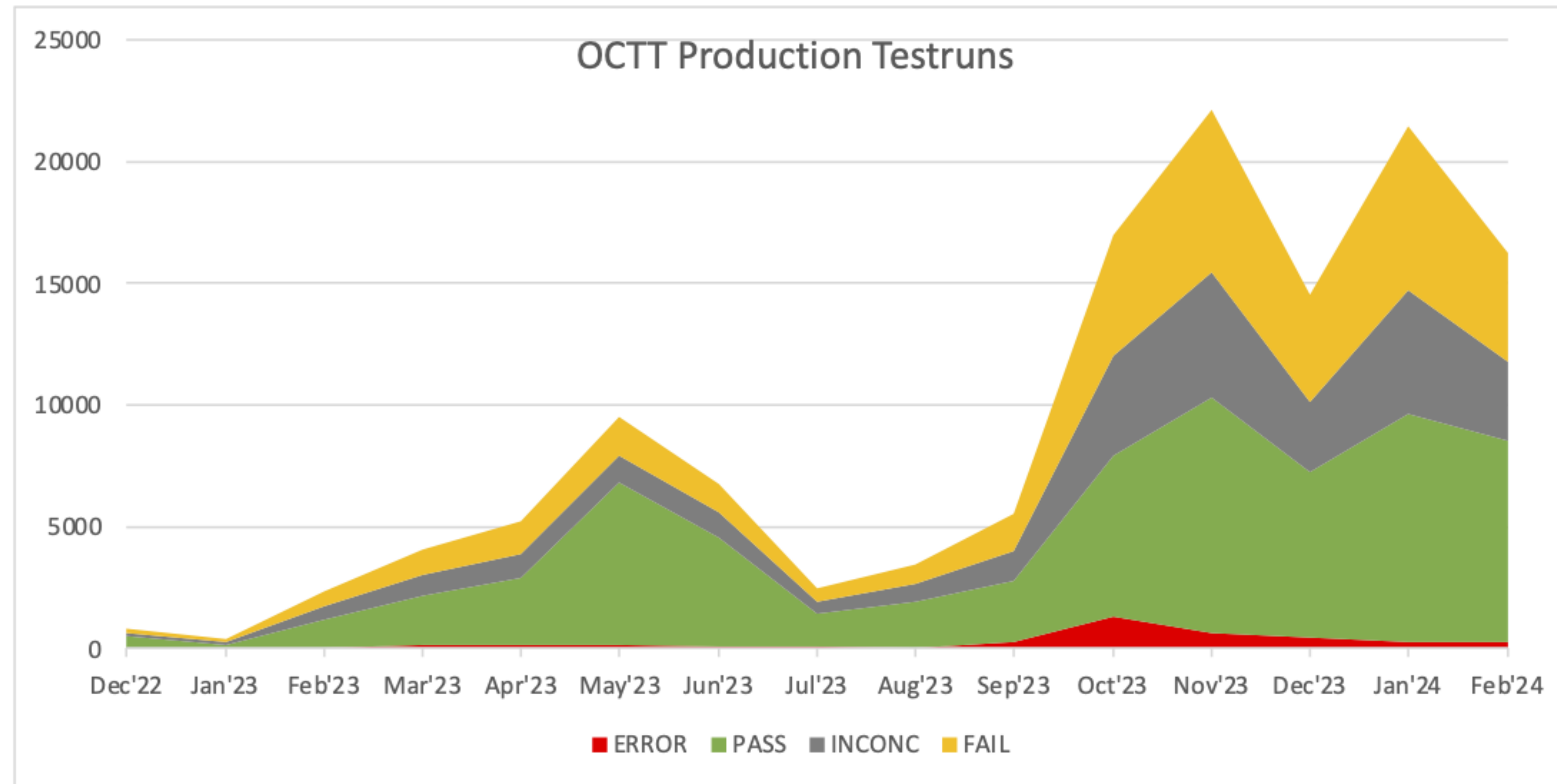


# OCTT Roadmap 2024



# OCTT for OCPP 2.0.1 has stepped up last year

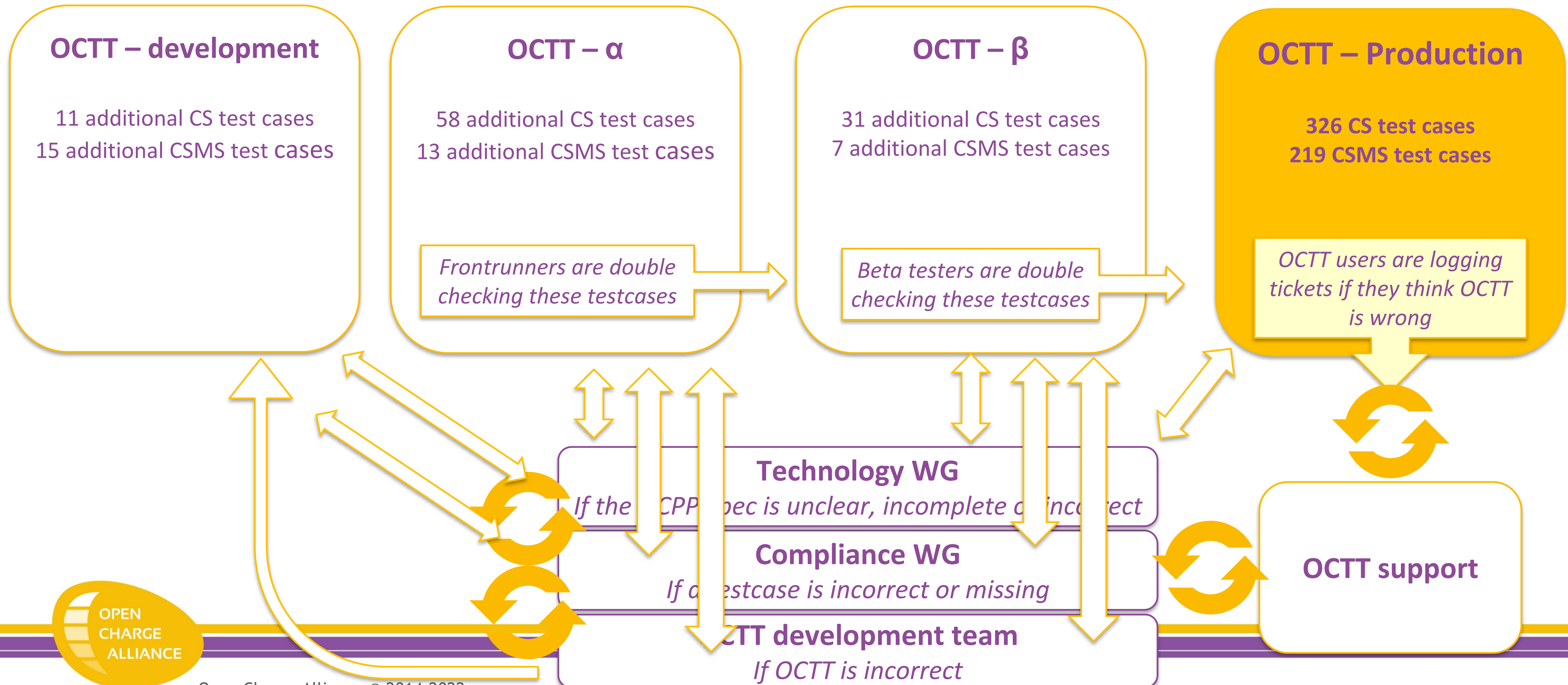
- Massive increase in number of testcases executed each month since September 2023



- This also results in more and more support tickets and uncovered spec issues



# Finalizing the OCTT 2.0.1 Test Cases is a complex process



# OCTT Demo – OCPP 1.6 & 2.0.1



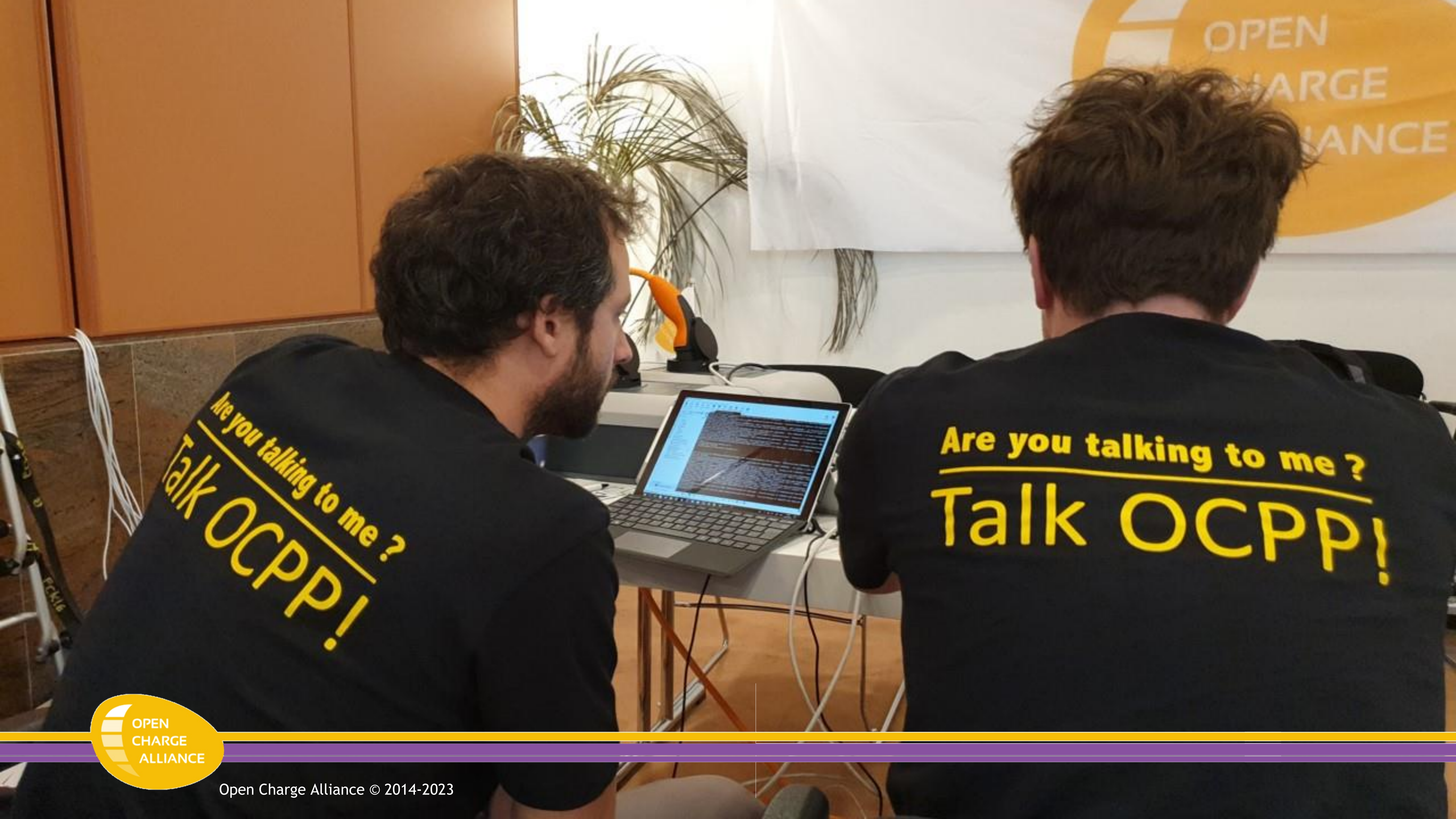
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**Thank You!**  
Any Questions?

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