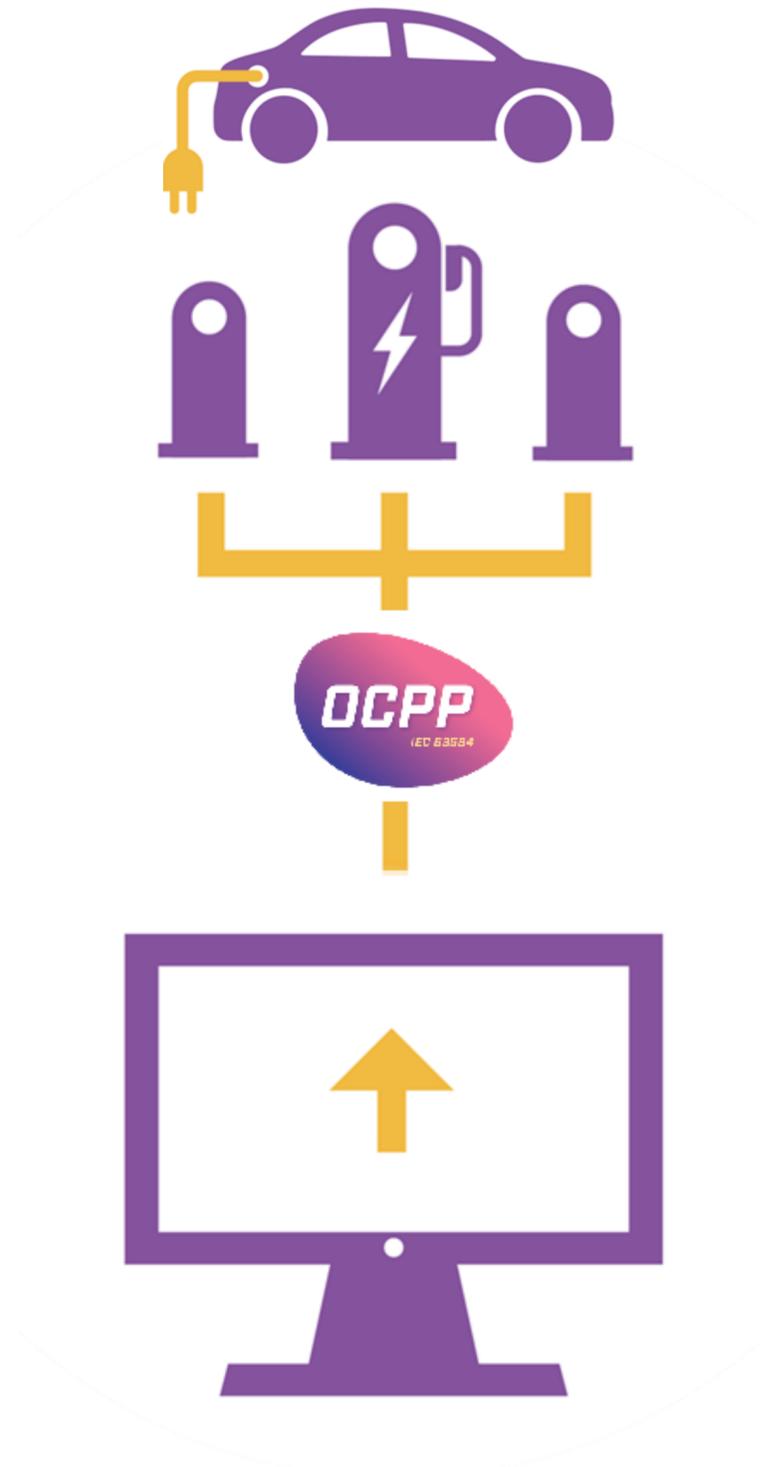




Introduction to OCPP

February 2026
Lonneke Driessen
Director OCA

OCPP (Open Charge Point Protocol)



- OCPP describes the information exchange between a charging station and a charging station management system
- It describes for example:
 - How to authorize, start and stop a charging session
 - How to manage the energy flow (smart and bidirectional charging)
 - How to monitor the status and health of the charging station
- OCPP has been developed by the industry over the past 15 years, following the need of the growing industry and incorporating field experience

The Open Charge Alliance (OCA) is the industry alliance governing OCPP



- OCPP started in 2009 in the Netherlands at ElaadNL (a non-profit organization owned by Dutch DSOs)
- In 2014 ElaadNL co-founded OCA and handed over OCPP
- OCA is a nonprofit foundation, founded in 2014 under Dutch law
- OCA's goal is to help the EV charging industry accelerate
- OCA promotes OCPP, develops OCPP, develops a testing and certification program.
- OCA has 399 participants

OCPP is an open-source standard



- The OCPP specifications can be downloaded by anyone free of charge
- OCPP is an open protocol for unrestricted use by any interested party with no requirement for licensing, payment, or registration
- OCA holds the copyrights on the OCPP specifications and has made OCPP available under a Creative Commons Public License (“no derivatives”).
- You can become a participant of OCA to contribute to the OCPP specification, the certification program and get discounts – but you do not have to



NEWS & UPDATES

[View all](#) ↗

📅 MON 02 FEB 2026

First OCPP Product Family Certificate have been given out!

First OCPP Product Family Certificate
Congrats to:

OCPP 1.6

OCPP 2.0.1



📅 THU 29 JAN 2026

Recap: OCA at Pwn2Own



EVENTS

[View all](#) ↗

🏠 MEMBERS ONLY EVENT

OCPP Commissioning Task Group

📅 TUE 10 FEB 2026 📍 ONLINE

🏠 MEMBERS ONLY EVENT

OCA Technology Working Group Meeting

📅 THU 12 FEB 2026 📍 ONLINE

🏠 MEMBERS ONLY EVENT

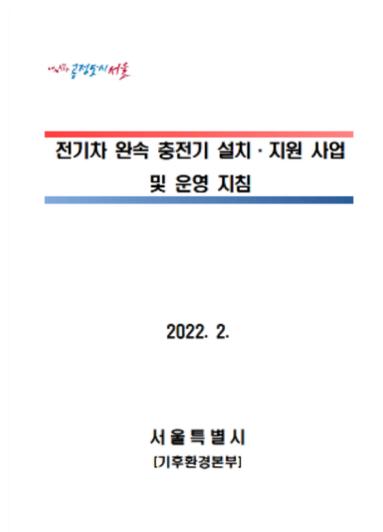
Networking / Local Controller Task Group

📅 TUE 17 FEB 2026 📍 ONLINE

Governments around the world have included OCPP in their legislation

Korea

Certification mandatory for Government subsidies



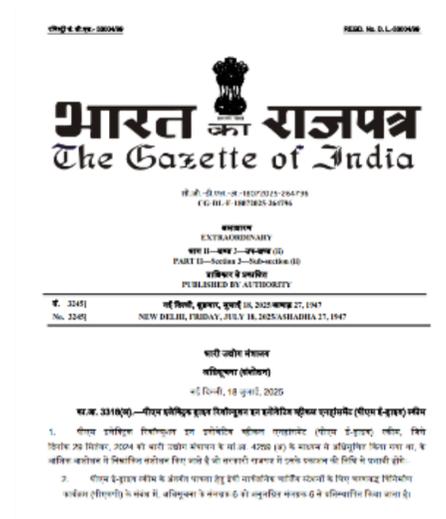
Australia

Mandatory



India

Recommended



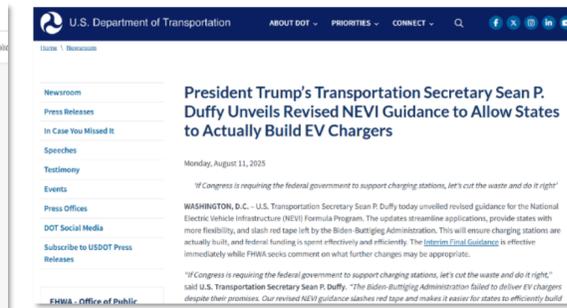
Russia

Mandatory for Fast Chargers



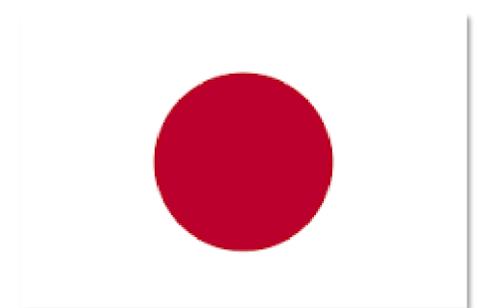
USA

Mandatory for Government subsidies



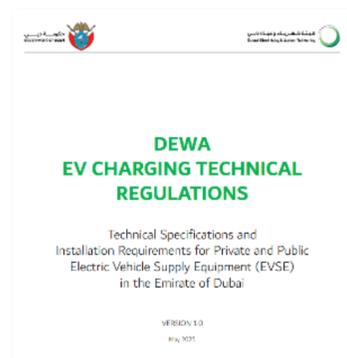
Japan

Mandatory for Government subsidies



Dubai

Mandatory



California

Certification mandatory for Government subsidies



New York State

Certification mandatory for Government subsidies



NL

Certification mandatory for Public Charging stations



EU

Recommended



Sao Paulo

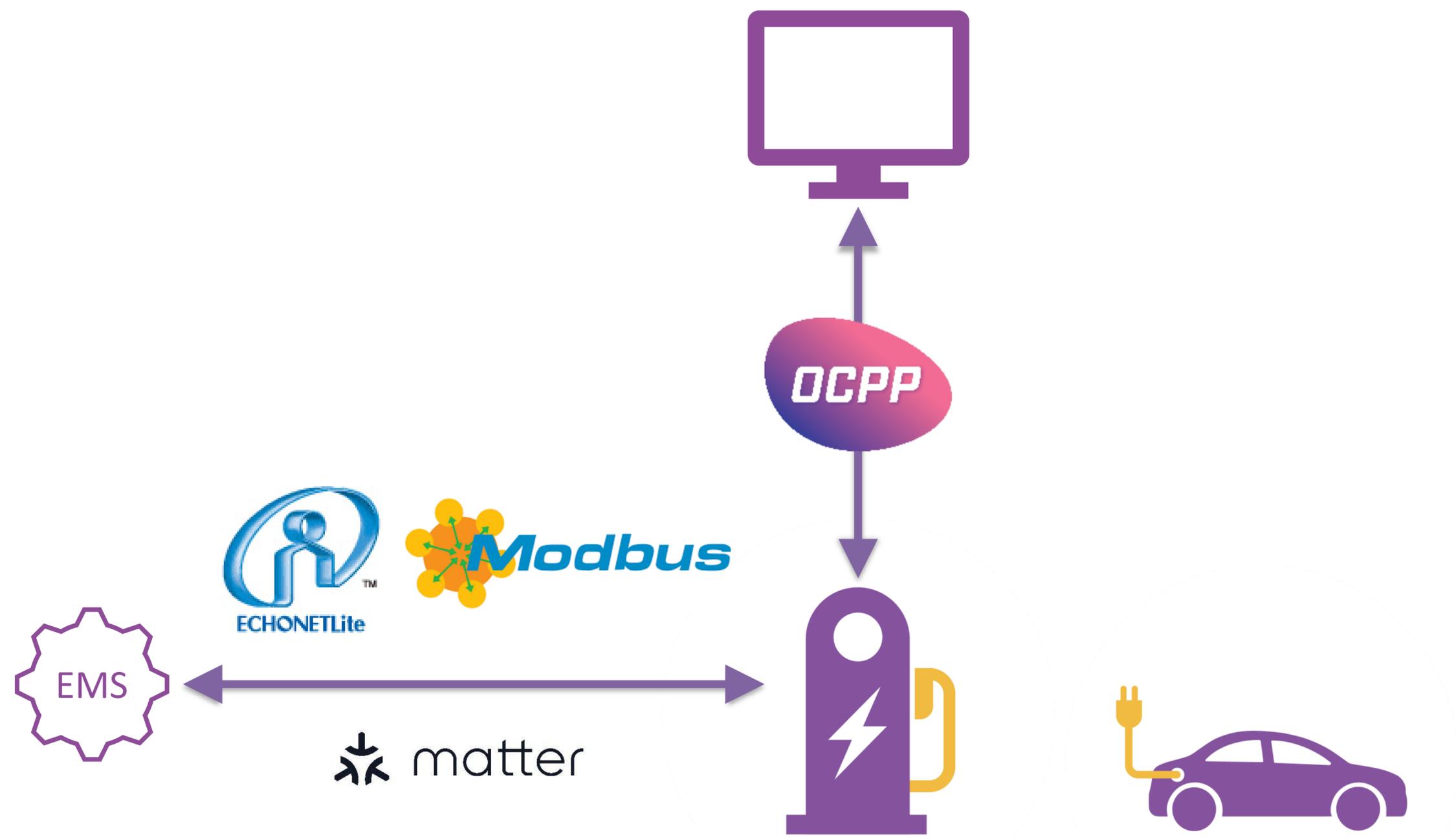
Mandatory for government funding



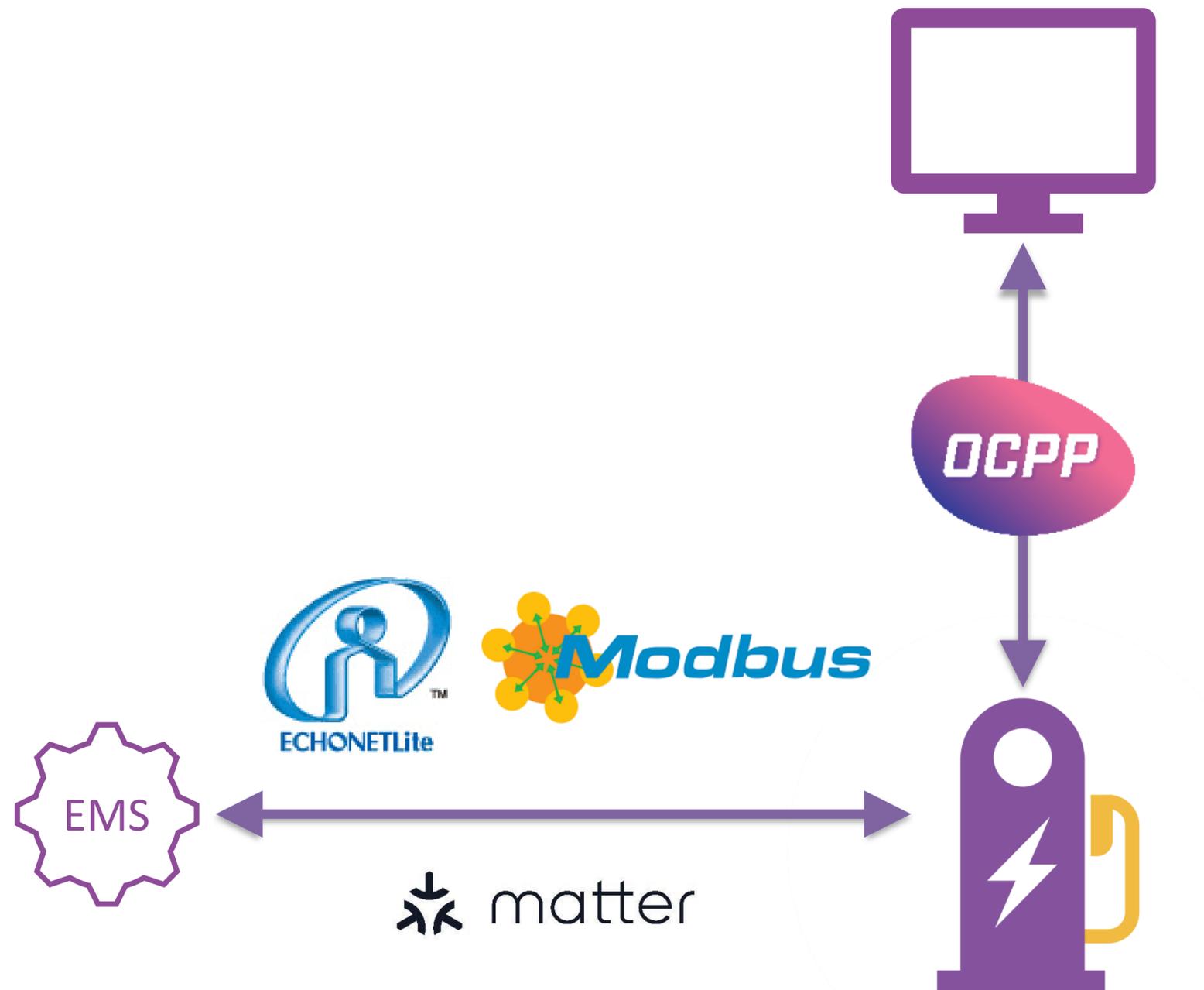


OCPP & EMS communication

Globally different protocols can be use for EMS communication, sometimes in combination with OCPP



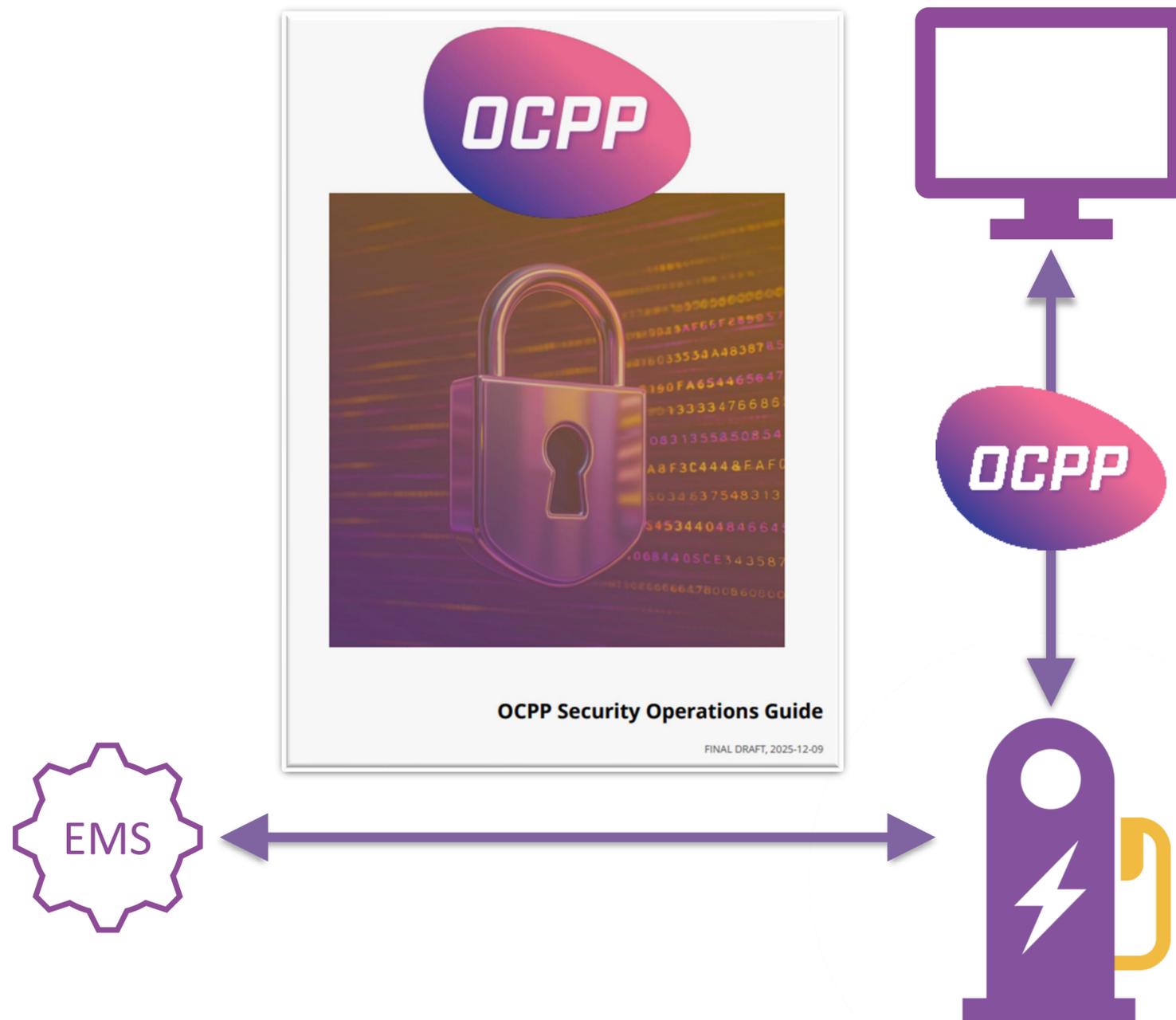
OCPP2.1 better describes the behavior of a charging station when it receives external constraints – agnostic to the EMS protocol



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The newly released OCA Security operations guide addressed securing the external ports of a charging station



A part of our industry uses OCPP to talk to the EMS – either directly or via a ‘secondary’ OCPP connection (more on that this afternoon)

