



# Electric Vehicle Grid Integration (EVGI) Working Group Overview

Last Updated: September 2023



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# Introduction to EVGI Working Group



- » **EVGI I** launched in June 2020 to define the interoperable systems necessary for public and private stakeholders to better manage the grid load, calculate carbon offsets, and generate carbon credits, facilitating the implementation of Peer-to-Peer (P2P) services.
- » **EVGI II** launched in Q3 2022 to reevaluate initial EVGI standards and work on pilots, including Vehicle-to-Building (V2B) communication for charging and storage. The pilot is currently on hold. The group has pivot to working on SOH Certification and Repeating Use case
- » **EVGI Contributors:** Accenture, Anritsu, ASJade Technology, AWS, Cognizant, CPChain, DENSO, DOVU, Ford, GM, Henshin Group, Hitachi, Honda, IBM, IOTA, ITOCHU, KAR Auction Services, KoinEarth, peaq, PG&E, Politecnico di Torino, Olinda Solutions, Nissan, ParkMyFleet, R3, Spherity, Stellantis, Swedish Blockchain Association, and Vitesco.

# Purpose of EVGI Working Group



Driving innovative energy solutions

- To assess the potential value proposition of blockchain for use cases such as Peer-to-Peer (P2P) energy services, Vehicle-to-Grid (V2G) integration, and ancillary services.
- To create standard system specifications and schemas required for data exchanges in each of the above use cases for utilities, automakers, and the manufacturers to enable interoperability, operational efficiency, and new business models.

# Current Tasks



- » The EVGI Technical Specifications (TS) specifies the high-level system design, reference architecture, multi-party processes, and EVGI-specific data structures that are utilized throughout the ecosystem. MOBI is updating the TS so that it is a concise list of technical requirements, rather than narrative explanations of workflows. The updated draft is currently under review in the Working Group.
- » Development of industrial battery certificate for EU compliance, for example grid storage battery.



# Completed Deliverables

Explore all MOBI Standards [here!](#)

- >> [EVGI Business White Paper](#) (June 2021)
- >> [EVGI Technical Specifications](#) (June 2021)

# Get Involved!



EVGI calls allow members of the Electric Vehicle Grid Integration Working Group to share project updates, discuss upcoming tasks, and review deliverables as needed.

**AM Meetings:** 1st and 3rd week of the month on Thursdays @ 8 am PT

**PM Meetings:** 2nd and 4th week of the month on Tuesdays @ 4 pm PT

Contact MOBI Fellow Matt Shi ([matt@dlt.mobi](mailto:matt@dlt.mobi)) for an invitation.



**Thank You!**