

Requirements Group Update

Meetings

- Tuesdays and Thursdays 7:30am to 9:00am
- WebEX
- Group participants: Lance Atkins, Jeremy Whaling, Mike Bourton, Vincent Chen, George Bellino, Jordan Smith, Dean Taylor, Ralph Troute, Mike Ferry, Stephane Voit
- Agency Staff participation: Stephanie Palmer, Justin Regnier, Noel Crisostomo, Elise Keddie

Goal:

- To extract all of the functional, non-functional, customer, other and alternative requirements from the use cases submitted.
- These requirements will then be given to the mapping sub-group for the next phase of the project
- Functional requirements define specific inputs, behaviors, outputs or other functions needed to accomplish each use case. These include functions such as authentication, authorization, certification, reporting, and data collection.
- Non-Functional requirements define criteria about the use case's operation, rather than specific functions. These include attributes such as scalability, response time, reliability, data integrity, and interoperability.
- Customer requirements ensure the customer has control over accepting or rejecting VGI services. These requirements can include interaction with the EV charging equipment, a smartphone or computer app, a building management system or some other digital interface.

Eight (8) Fundamental Actor Terms

3 entities

5 equipment items

Decision & Choice Entities

Acting Equipment & Hardware

EV Driver

Power Flow Entity

Utility Customer of Record

EV Battery System

EV Power Converter system

Energy Connection System

Energy Meter

Building Management System

(EVD)

(PFE)

(UCR)

(EVBS)

(EVPC)

(ECS)

(EM)

(BMS)

Examples of common names used in use-case descriptions:

- Driver
- End User
- Owner
- Fleet transportation operator

- Aggregator
- Utility
- EV Service Provider
- Energy Service Co.
- Alt. Energy Supplier
- Energy Portal
- Clearing House

- Site Host
- Ratepayer
- Bill Payer
- Home Owner

- Electric Vehicle
- EV
- BEV
- PHEV
- PEV

- Inverter
- Rectifier
- Bi-directional inverter

- Electric Vehicle Supply Equipment
- Charger
- Level 2 EVSE
- Level 1 EVSE

- End-user meter device (EUMD)
- Site meter
- Sub meter

- Site controller
- Building site controller
- Energy management system
- Home Energy Management System (HEMS)

Next Steps

- Duplicates have been sorted
- Non-functional (17), Customer (6), Other (7) and Alternative (2) Requirements in final review
- Functional requirements continued work on duplicates