



COVESA “EV-Charging Project”

M/NER-AM Greg Morningstar 10 NOV 2022

FORD EV-Charging Project

User stories for charging -proposal

User story 1, 2, 3

1. User drives to work and charges over the day to return home
 - a. Class2 at the destination(>8 hours)
 - b. Close to work (walking distance)
2. Driver is traveling for a farther destination
 - a. Needs to charger at the middle and destination to recharge for the total trip time
 - b. Class3 mid route (fast charger <1 hour)
 - c. Class2 at the destination(>8 hours)
 - d. Lunch
 - e. Charge to 65% to fast charge in under 20minutes and have a faster overall trip (than a full charge each stop)
3. Driver has a trailer
 - a. Needs space to charge with trailer, not every location of fast charger works
 - b. Needs to have charger at the middle and destination to recharge for the total triptime
 - c. Class3 mid route (fast charger <1 hour)
 - d. Class2 at the end destination (>8 hours)
 - e. Truck stop (Flying J truck stop)
 - f. Charger at campground (or bring along a portable class 2 charger) INFO from Cloud

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User story 1 for charging –proposal

User drives to work and charges over the day to return home

- a. Class2 at the destination(>8 hours)
- b. Close to work (walking distance)
- c. Time to leave → new item needed by using the user story

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User story 2 for charging –proposal

Driver is traveling for a farther destination

- a. Needs to charger at the middle and destination to recharge for the total trip time
- b. Class 3 mid route (fast charger <1 hour)
- c. Class 2 at the destination(>8 hours)
- d. Lunch
- e. Charge to 65% to fast charge in under 20minutes and have a faster overall trip (than a full charge each stop)
- f. Occupation time on the charger /Reservation cancel time →new item needed by using the user story
- g. Time to leave →new item needed by using the user story

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User story 3 for charging –proposal

Driver has a trailer

- a. Needs space to charge with trailer, not every location of fast charger works
- b. Needs to have charger at the middle and destination to recharge for the total trip time
- c. Class 3 mid route (fast charger <1 hour)
- d. Class 2 at the end destination (>8 hours)
- e. Truck stop (Flying J truck stop)
- f. Charger at campground (or bring along a portable class 2 charger) INFO from Cloud