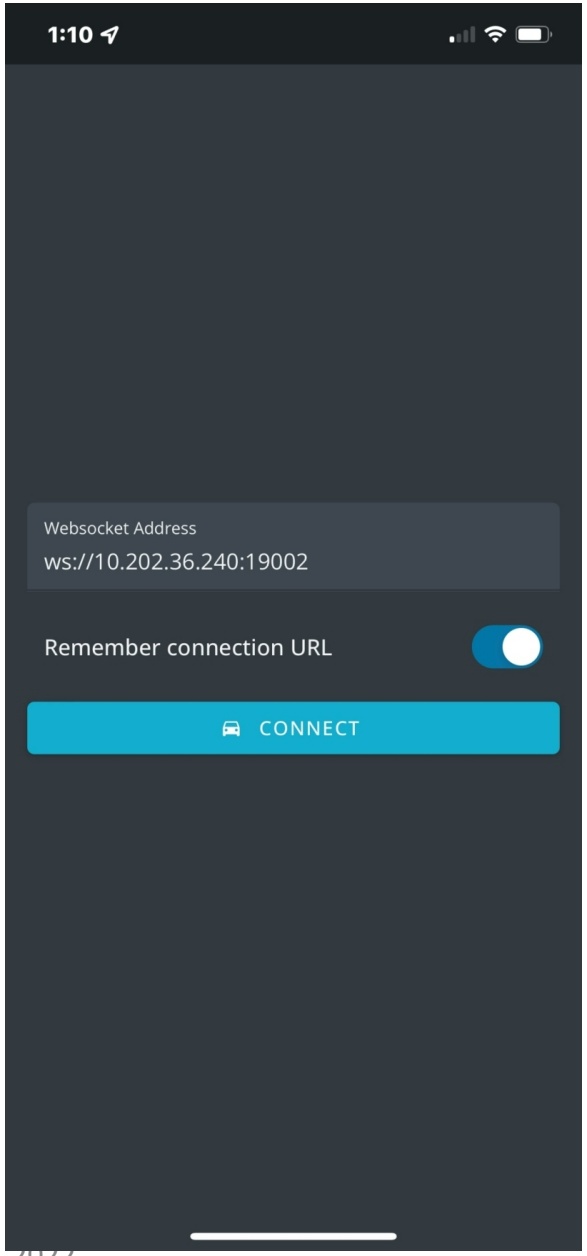
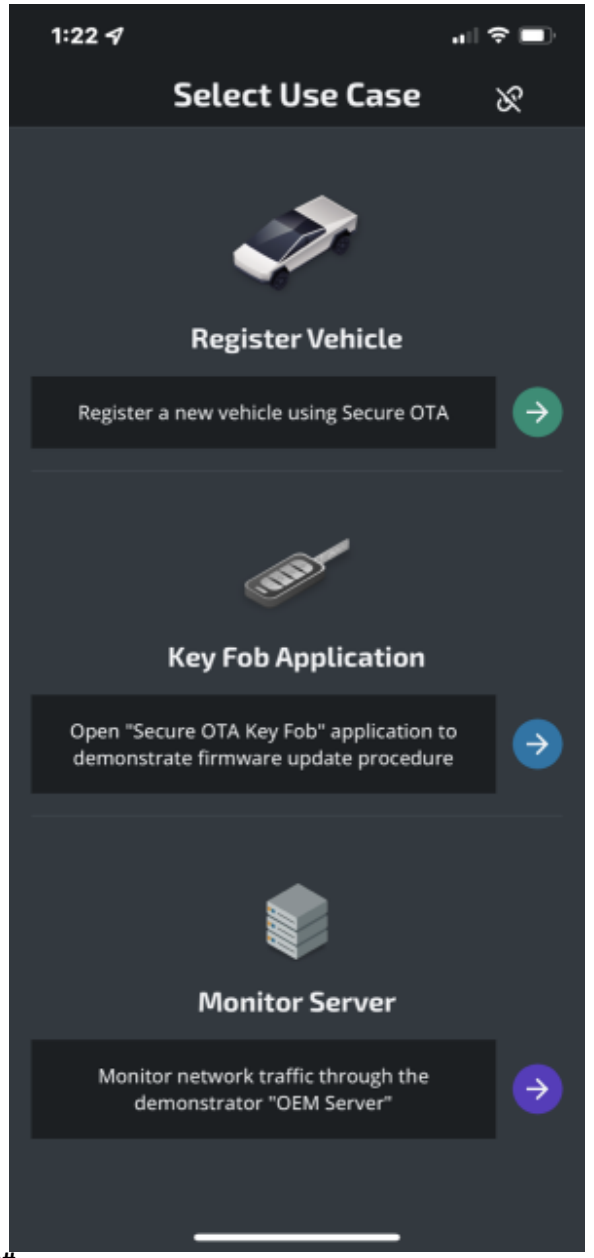
This paper describes objective technical results and analysis. Any subjective views or opinions that might be expressed in the paper do not necessarily represent the views of the U.S. Department of Energy or the United States Government.

SAND2022-11697C

Initial Connection



Use Case Selection



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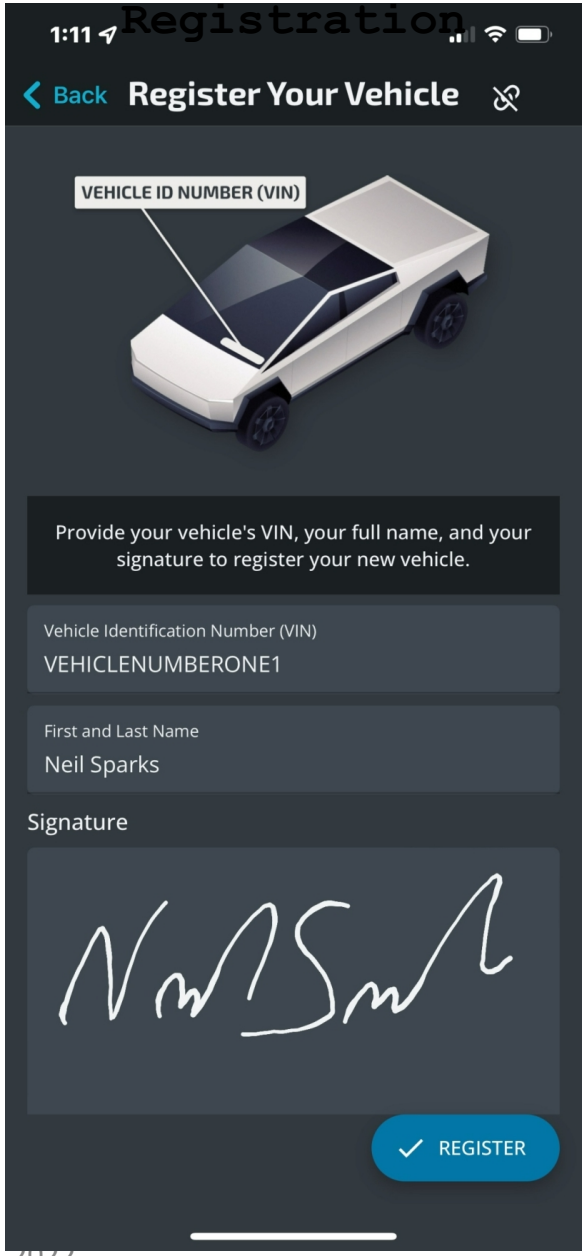
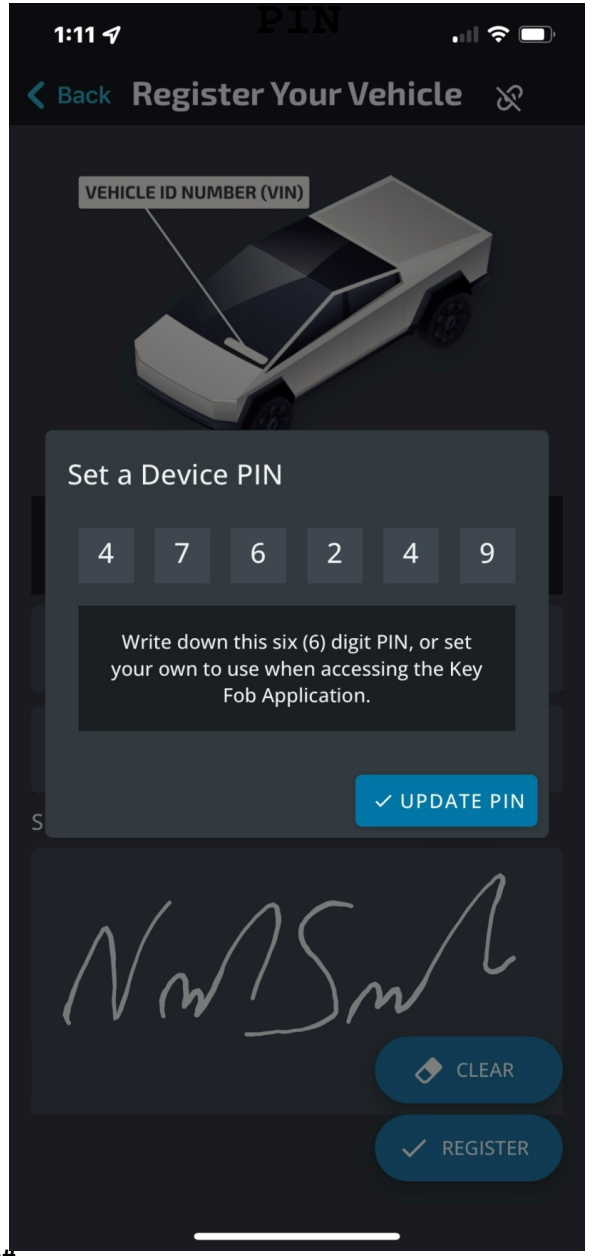
AUTO-ISAC
Automotive Information Sharing and Analysis Center

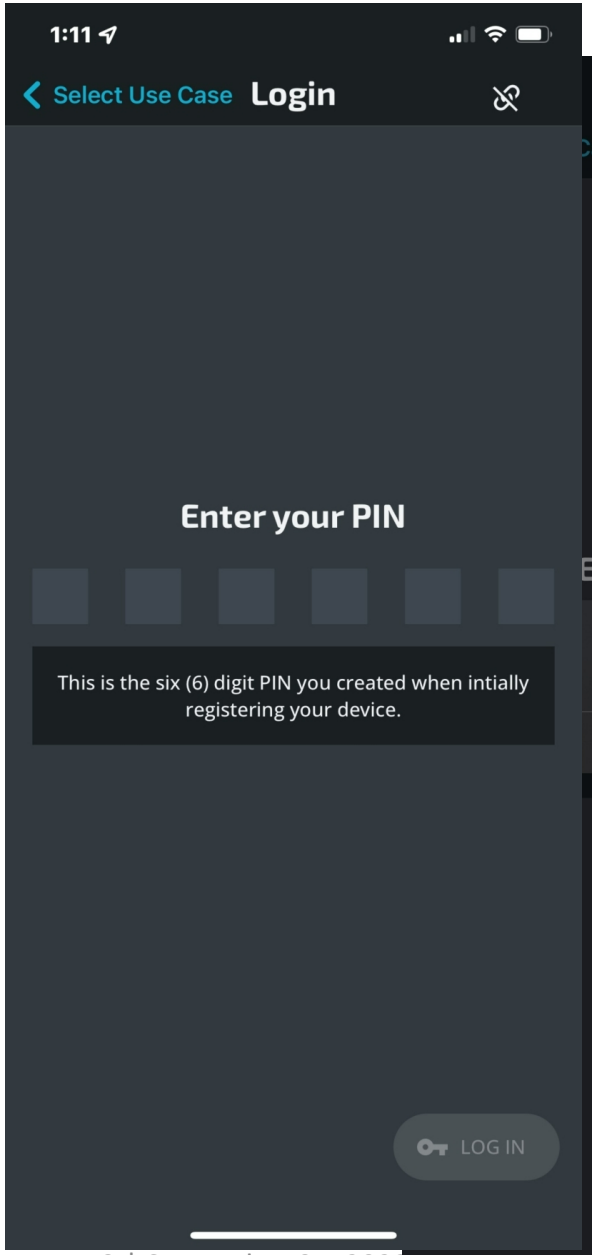
Vehicle Registration



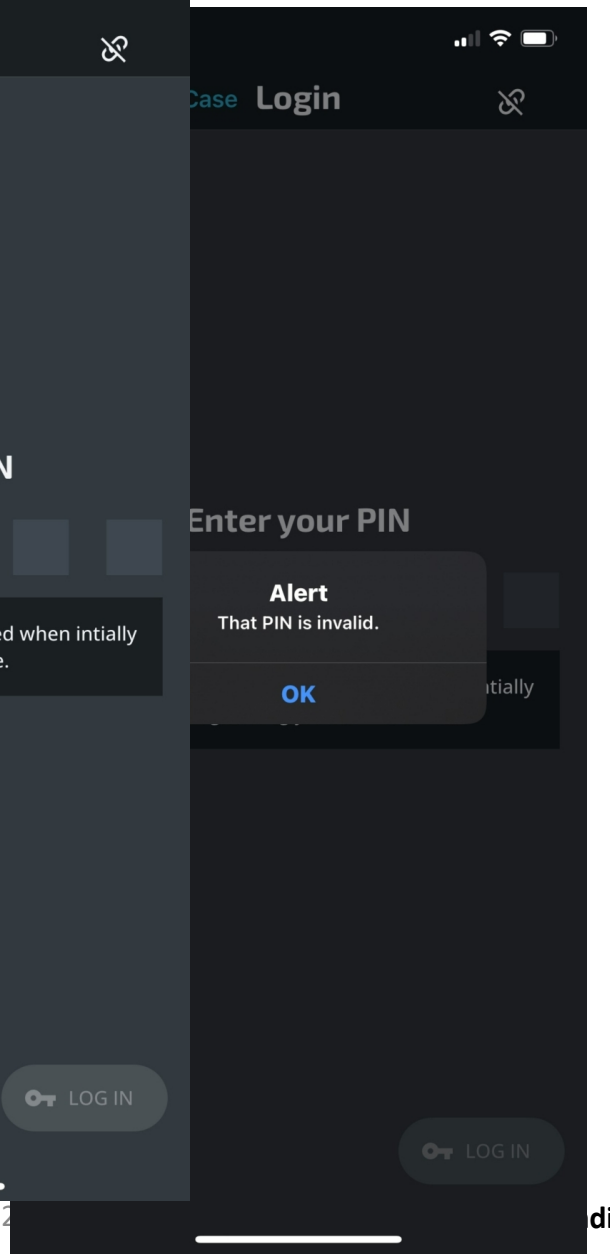
Setting a Local PIN



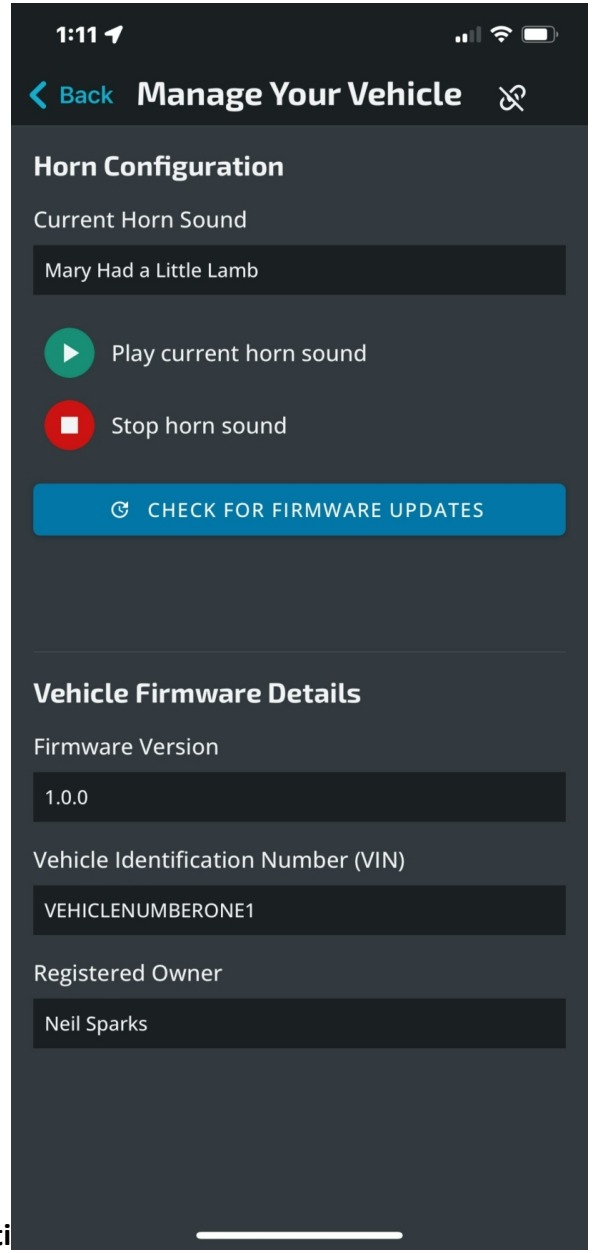
Key Fob App Entry



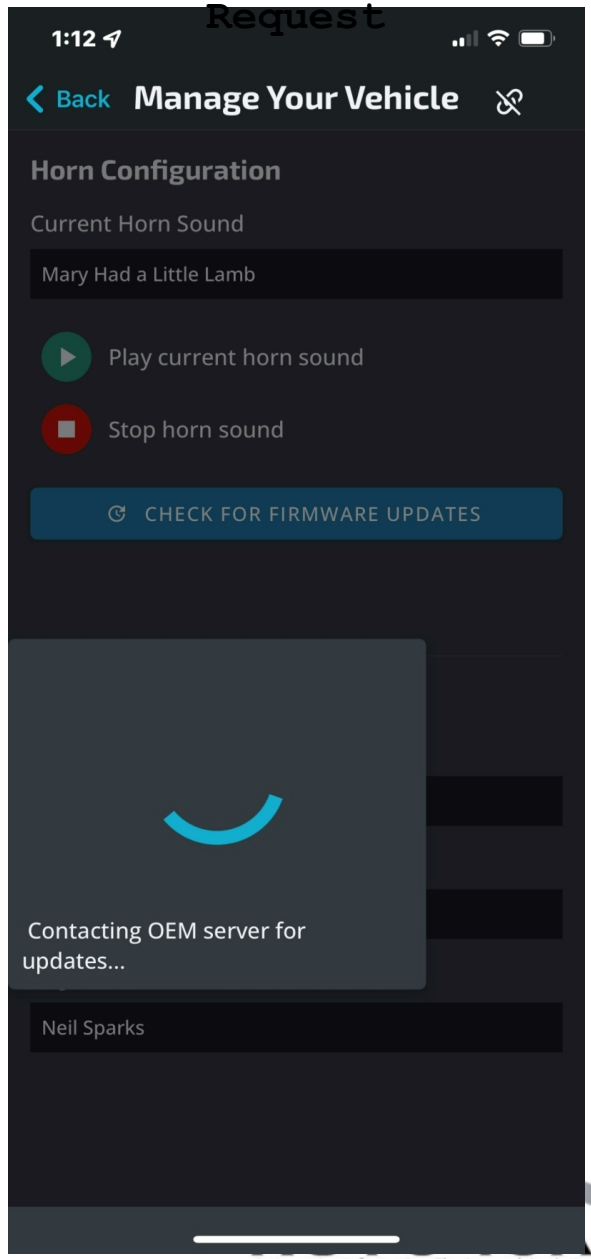
Invalid PIN Message



Vehicle Management



Firmware Update Request



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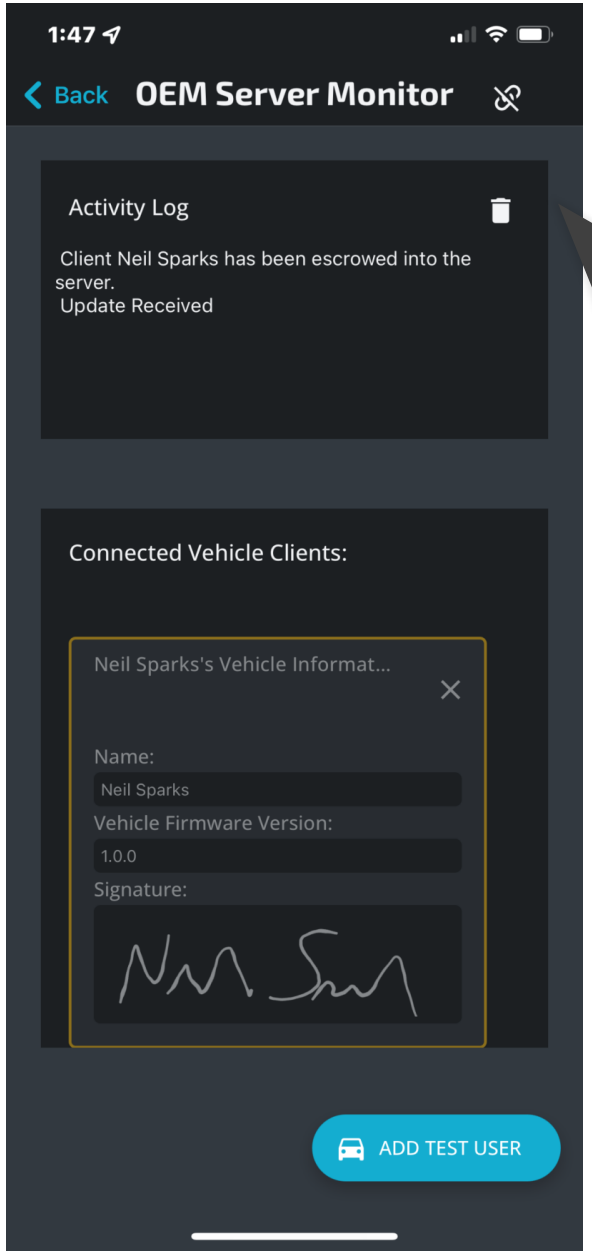
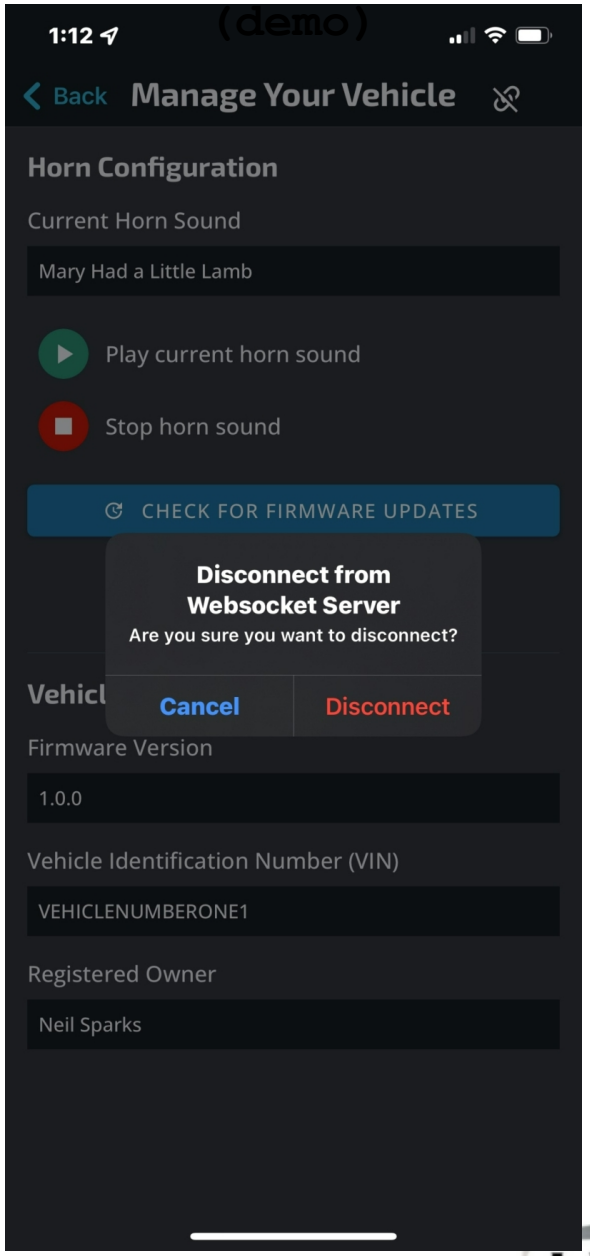
Automotive Information Sharing and Analysis Center

Server Monitor



In addition to these logs, there is yet-to-be-implemented functionality for recording and displaying logs for the following actions:

- Message content received
- Message decrypted (including random number and other information required for decryption)
- Encryption / decryption / hashing methods (i.e. AES, sha256)

Disconnecting