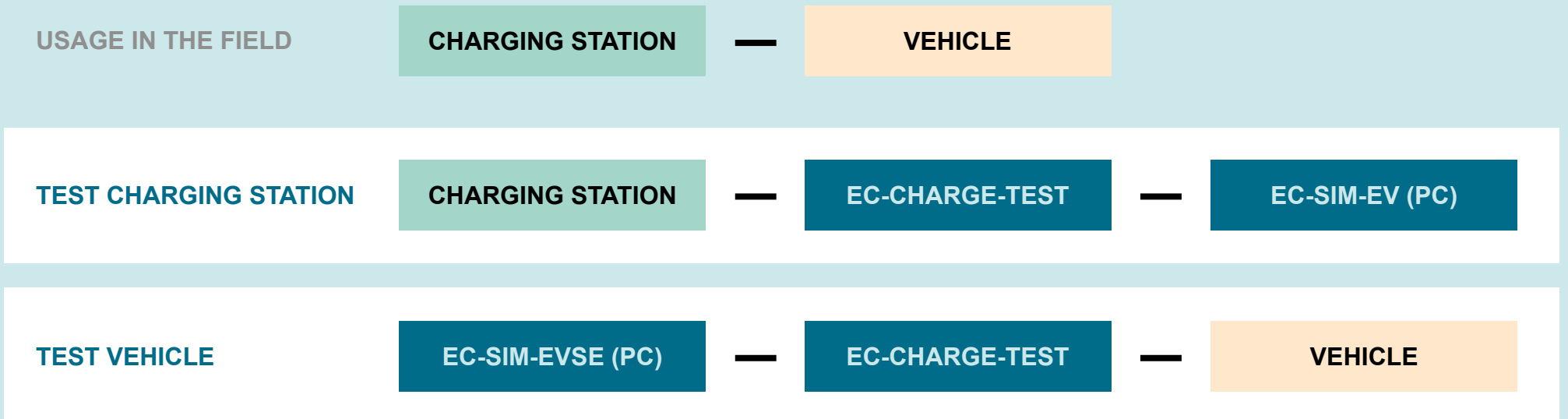
CHARGING COMMUNICATION TEST SOLUTIONS

based on DIN 70121 and ISO 15118 charging standards for Power-Line-Communication (PLC).
These are third-generation vehicle charging products for direct and alternating current charging (DC, AC).



EC-CHARGE-TEST

EC-CHARGE-TEST is a modem solution for charging spots with regards to DIN 70121 and ISO 15118 compliant signalling utilising GreenPhy power line communication (PLC) over pulse width modulation (PWM) technology (ISO layer 1 and 2). The board can be integrated into charging spots and physically connected to the power electronics.

The main advantage is an integrated Qualcomm GreenPhy chip QCA 700x with a small form factor. With this ARM9 processor including the firmware, the interface for the necessary software stack DIN 70121 and ISO 15118 can be easily used via an Ethernet connection. The PWM is controlled by Ethernet.

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EC-SIM-EV and EC-SIM-EVSE simulation software

The application purpose of the EC-SIM-EV/SE is to provide a software solution for the hardware EC-CHARGE-TEST.

The EC-SIM-EV and EC-SIM-EVSE simulation software offers a comfortable DIN 70121 and ISO 15118 compliant communication solution.

Features

- → PLC communication via control pilot (CP) and protective earth (PE)
- → PLC over PWM injection circuit
- → Applicable for AC and DC charging
- → Standard compliant simulation software
- → Test of smart charging functions

For more details please visit eclipseina.com