

Submitted by the expert from

SAE INTERNATIONAL

Working Paper **VCTF-02-07**
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Provisional agenda item 4(b)

ELECTRIC VEHICLE CHARGING – COMMUNICATION STANDARDS OVERVIEW

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WP.29 ITS IWG Vehicle Communications Task Force

23 June 2023

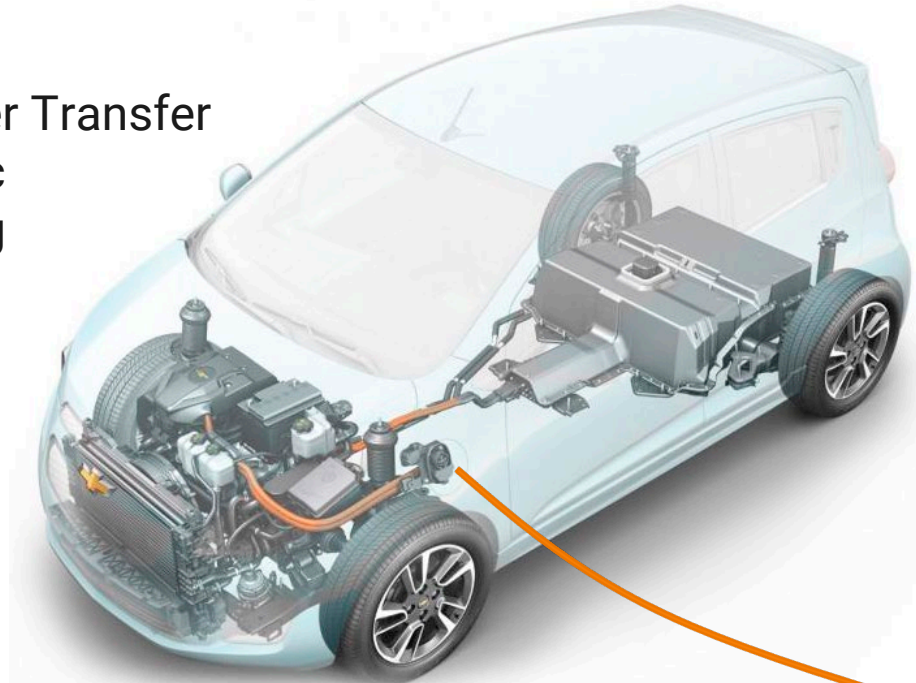


SAE EV + Plug-in Hybrid Communication Standards:

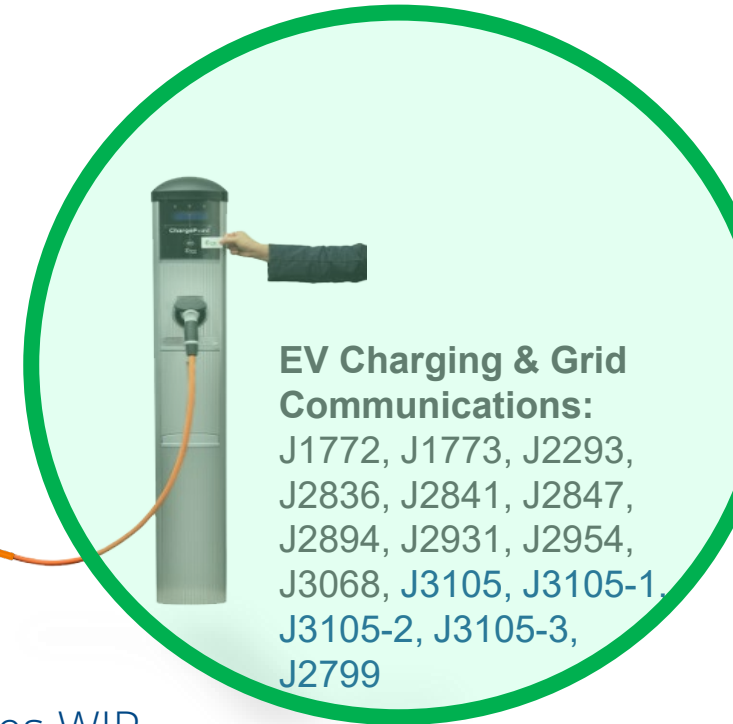
Use Cases for Wireless Charging Communication for Plug-in Electric Vehicles [J2836/6_202104](#)

Communication for Wireless Power Transfer Between Light-Duty Plug-in Electric Vehicles and Wireless EV Charging Stations [J2847/6_202009](#)

Signaling Communication for Wirelessly Charged Electric Vehicles [J2931/6_202208](#)



EV, Hybrid, Fuel Cell Vehicle Terminology:
J1715 information report

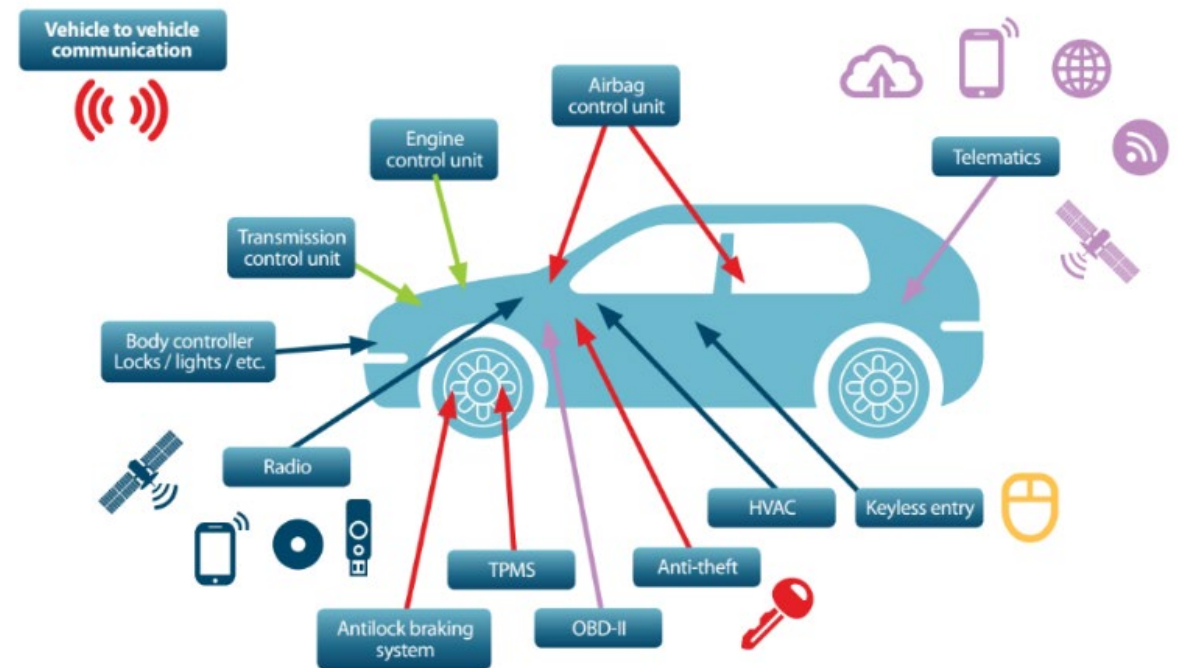


<https://www.sae.org/servlets/works/documentHome.do?comtID=TEVHYB>

* Blue Font Denotes WIP

SAE Communications Cyber Security Standards Activities

- Truck and Bus Controls and Communications Network Committee
 - **J1939™**: Serial Control and Communications – Heavy Duty Vehicle Network
- Vehicle Electrical Systems Security
 - **J2101 WIP**: Requirements for Hardware Protected Security for Ground Vehicle Applications
 - **J1939™**, **J1979™**, **J3005™** & **J2534™**: OBD II for Telematics, Vehicle Health Management, Data Access, Vulnerabilities & Cyber Threat Analysis, OTA Updates



J3061 Cyber Security Guidebook ->
ISO/SAE 21434

Thank you

