

SAE International Releases Updates for Two Major Electric Vehicle Charging Documents

Revised Standard and Best Practice Better Align with IEEE Standards Helping Utility Providers and Automakers Meet Requirements for Electric Vehicle Charging Equipment

WARRENDALE, Pa. ([PRWEB](#)) April 06, 2021 -- [SAE International](#) announced today revisions to [SAE J3072™ Standard: Interconnection Requirements for Onboard, Utility-Interactive Inverter Systems](#) and [SAE J2847/3™ Recommended Practice: Communication for Plug-in Vehicles as a Distributed Energy Source](#). The updated electrical vehicle charging documents will play a major role in advancing automotive requirements for Distributed Energy Resources (DER) projects.

“As the federal government focuses on growing the electric vehicle charging infrastructure, it is essential to ensure vehicle manufacturers can certify conformance with electric vehicle charging stations around the country,” said Jack Pokrzywa, director of Global Ground Vehicle Standards at SAE International. “SAE International is committed to developing these critical standards that enable government, manufacturers and industry to safely advance electric vehicles, the infrastructure and energy sources that support them.”

SAE J3072 Standard

SAE J3072 revisions establish requirements for a grid support inverter system function to better align with the significant changes to inverter requirements that were introduced by major revisions to [IEEE 1547](#) and [IEEE 1547.1](#). With this update, utilities or local jurisdictions can establish procedures for a site to be approved for the interconnection of plug-in electric vehicles (PEV) with onboard inverters based partially on testing and certifying SAE J3072 and other required standards. The vehicle manufacturer (VM) or their designated agents will perform the analyses, inspections and tests to ensure that each inverter system model that is installed in one of their PEV models conforms to the requirements of SAE J3072. The VM or third-party testing body will issue a certificate of conformance to SAE J3072 for each authorized inverter system model.

“In July 2017, the California Public Utility Commission issued a rulemaking that, in part, asked if and how the Commission should consider issues related to the interconnection of electric vehicles and related charging infrastructure and devices,” explained Hank McGlynn, leader of the SAE J3072 Standard update. “We established a special working group to consider SAE Type V2G-AC interconnection issues and the use of SAE J3072, which documented recommendations and potential expansions. This revision to SAE J3072 addresses the recommendations noted by this report relative to the 2015 version.”

For additional information on SAE J3072, visit: https://www.sae.org/standards/content/j2847/3_202103/.

SAE J2847/3 Recommended Practice

The revisions for the SAE J2847/3 recommended practice better align with the latest version of [IEEE 2030.5](#) and IEEE 1547. IEEE 1547 has clarified the functional requirement standards for connecting DER to the Utility Electric Power Systems and IEEE 2030.5 communications protocol, which has been updated to fully implement IEEE 1547 requirements.

“With this updated document, the promise of using a PEV as a DER is now closer to reality,” stated Gordon Lum, lead of the SAE J2847/3 updates.



For more information on SAE J2847/3, visit: https://www.sae.org/standards/content/j2847/3_202103/

About SAE International

SAE International is a global association committed to advancing mobility knowledge and solutions for the benefit of humanity. By engaging nearly 200,000 engineers, technical experts and volunteers, we connect and educate mobility professionals to enable safe, clean, and accessible mobility solutions. We act on two priorities: encouraging a lifetime of learning for mobility engineering professionals and setting the standards for industry engineering. We strive for a better world through the work of our philanthropic SAE Foundation, including award-winning programs like A World In Motion® and the Collegiate Design Series™. More at www.sae.org.



Contact Information

Justin Falce

SAE International

<http://www.sae.org>

7247727562

Online Web 2.0 Version

You can read the online version of this press release [here](#).