

Hello...

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Your technical expertise is needed.



SAE International

**Standards matter.** Standards are published documents setting out specifications and procedures to ensure products and systems are safe, reliable, and consistently perform the way they were intended. Standards matter and so does the ongoing need for involvement from people like you to participate in the development of these technical documents for the aerospace and ground vehicle industries.

Most know that standards serve to protect... support innovation...boost production and productivity... make businesses more competitive...link businesses to the world...complement regulation and make markets work better....reward individual participants personally and professionally.

**But how do these translate into tangible, workaday benefits for you and your company?**

Participation in the standards development process typically yields such *immediate* benefits as:

- Early access to specifications, prototypes and legislation.
- Greater understanding of the standards and their underlying designs, tradeoffs, and compromises made during their development, the operating conditions, and environments they are intended to serve.
- Relationships and contacts are made that can become technical resources.
- Commercial risks are reduced through lower development costs due to knowledge and experience shared among participants.
- Improved ability to identify future trends due to research conducted during the development of the standard.
- The capability to influence the resulting standard.
- The development of personnel by providing them the opportunity to work with leaders in the field and to witness standards development processes that maximizes cooperation and consensus building.
- Corporate image as an industry leader is enhanced.
- The credibility and image of the technical expertise of your staff is enhanced.

Ultimately, companies participating in standards development can realize the following gains:

- Increased market access and acceptance.
- Improved sales efficiency due to decreased trading costs, simplification of contractual agreements, and lowering of trade barriers.
- Assurance to customers that products are safe (or more safe) to use.

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- Risk reduction—During the standards development process, prototyping and agreements by proponents insure standards are implementable and incorporate best practices.
- Economies of scale, ease of data integration.
- Investment protection—When standards-based products are set to retire, it is likely that replacements will be available supporting the standards.
- Product life extension—Products that use standards are less likely to require replacement in order to integrate with other, newer products.
- Protection against obsolescence—Standards organizations are generally highly motivated to provide an orderly way to migrate to new versions of standards.
- Reduced development time and costs—Finding trained and experienced personnel for standardized technologies is easier than for proprietary technologies.

SAE International is a 106-year, industry-driven, consensus-based standards development organization responsible for publishing more aerospace and ground vehicle standards than any other organization. Seven thousand volunteer committee members from around the globe provide expertise for standards on critical aerospace issues ranging from fuel to weather conditions and ground vehicle issues on materials to engine power and energy mandates. Hundreds of its standards are used and referenced in U.S. Government documents and elsewhere around the world.

SAE International standards advance the mobility industry. This past year alone has seen SAE publish the following groundbreaking standards:

- An end-to-end capability that transforms system data into operational support information, **Integrated Vehicle Health Management (IVHM)** and related SAE standards allow for the analysis and diagnosis of a vehicle and the understanding of how a failed structure or piece of equipment impacts the vehicle's overall health. The first holistic, systematic approach to vehicle health management, use of IVHM has the ability to enhance vehicle safety and reliability as well as extend product life—with maintenance and fleet management benefits in the aerospace and other vehicle producing industries.
- A suite of standards centered on **SAE AS 5553: Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition**, offers protection from the rampant fake component issues faced today by the aerospace electronics industry. This standards solution helps stop illegitimate electronic parts from entering the aerospace supply chain, inventories, and designs. With roots in aerospace, AS5553 and related standards are generic and intended to be applied to all organizations regardless of industry for which failure of an electronic part is not an option.
- The much anticipated **SAE J1172 TM standard for plug-in hybrid electric vehicle (PHEV) and electric vehicles (EV)** was approved. This standard—a combination coupler that allows EVs/PHEVs to be charged from AC *or* DC charging stations—is a significant step towards moving vehicle electrification forward as it represents a cost-effective, single inlet system and it is the only official DC fast charging standard worldwide—reducing charging time to under 20 minutes.

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For the important work of standards, SAE International and the mobility industry is currently in need of volunteers with your technical expertise to participate on the following standards development committees. If you possess the technical knowledge as related to these committees, we urge you to contact us. **Because standards matter and so do you.**

### SAE International Committees currently seeking your knowledge

#### Aircraft Systems

Aircraft Instruments—Air Data Working Group (A-4)

Flight Deck & Handling Qualities Standards for Transport Aircraft (S-7)

Cabin Safety Provisions (S-9)

\* Airframe Control Bearings (ACBG)

#### Electronics & Electrical Systems

Electromagnetic Compatibility (AE-4)

#### Mechanical & Fluid Systems

Aerospace Fuel, Oil, and Oxidizer Systems (AE-5)

#### Avionic Systems

Aircraft Systems and Systems Integration (AS-1)

#### Propulsion

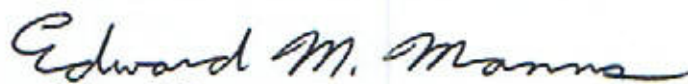
General Standards for Aerospace and Propulsion Systems (E-25)

Aerospace Propulsion System Support Equipment—Balancing (EG-1A)

Reliability, Maintainability/Supportability and Probabilistic Methods (G-11)

You may express your interest by contacting Senior Standards Specialist Kerri Rohall at [krhall@sae.org](mailto:krhall@sae.org) or phone +1724.772.7161. Learn more or do so on line at <http://www.sae.org/standardsdev/participationReq.htm>

Thank you for your consideration.



**Edward Manns**

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**SAE** International

*\* This committee may be of particular interest to you Thangavelu*

