

SAE TECHNICAL COMMITTEES AE-7 AEROSPACE ELECTRICAL POWER & EQUIPMENT

Fact Sheet

The **SAE AE-7 Aerospace Electrical Power & Equipment** committee addresses all facets of aerospace electrical power systems—design, testing, measurement, procedures, and in-service experience. It develops standards and specifications relative to the generation, conversion, load management, and utilization of electric power in aerospace vehicles. The group is comprised of subcommittees dedicated to creating, preparing, and maintaining all relevant specifications, standards, and requirements for aerospace electrical power and equipment. These subcommittees include:

AE-7A	Generators/Controls/Magnetic Devices
AE-7B	Power Management
AE-7C	Systems
AE-7D	Aircraft Energy Storage and Charging
AE-7EU	Europe
AE-7M	Aerospace Model Based Engineering

Participants in the **SAE AE-7** committee include OEMs, suppliers, consulting firms, government, academia, and others across the aerospace and defense industries.

For additional information on this SAE Technical Standards Committee, please visit:
<http://www.sae.org/servlets/works/committeeHome.do?comtID=TEAAE7>

Examples of standards development/revision activities

- AIR6511 Safety Consideration for a 48/60 VDC Aircraft distribution system
- ARP6505 Electrical Load Characterization and ELA Standardization
- AS8441 Minimum Performance Standard for Permanent-Magnet Propulsion Motors and Associated Variable-Speed Drives
- AS4805A Solid State Power Controller, General Standard For
- AS6807 ARC Fault Interrupter, 270 VDC
- AIR6198 Considerations for future more electric aircraft electric power systems
- AIR8445 Aerospace Electrical Power System Stability

Recently published documents

- AIR6540 Fundamentals in selecting Wire Sizes in Aerospace Applications
- AS5698A Space Power Standard
- ARP6538 Dynamic Modeling of Aerospace Systems (DyMAS)

Join an SAE Aerospace Technical Standards committee.

For more information or to participate on an AE-7 Committee contact:

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