

# SAE Standards

## Enhancing Ambulance Safety in North America for Medical Devices



In EMS transport, the safety of both patients and crew is paramount. This goes beyond the ambulance itself - it also means properly securing medical equipment and other potential projectiles.

### What are SAE standards?

SAE International is the world's foremost authority in developing mobility standards, enhancing safety, productivity, reliability, efficiency, and certification through rigorous standards.

### Did you know...

SAE International recommends 9 testing standards for ambulances including SAE J3043 - Ambulance Equipment Mount Device or Systems. By complying with SAE J3043, mounting systems also comply with KKK-A-1822F, NFPA-1917 and BS EN 1789 under similar conditions.

### What does SAE J3043 recommend?

This SAE recommended practice outlines the dynamic and/or static testing procedures required to evaluate the integrity of an equipment mount device or system when exposed to a front or side impact - i.e., a crash impact.

### Why is SAE J3043 so important?

SAE J3043 certified mounting systems ensure medical devices remain secure during transport in case of sudden directional changes or collisions; avoiding possible injuries and costly repairs or replacement of medical equipment.

### What should you ask manufacturers about their SAE J3043 certification?

- ✓ Was a real medical device, or replica, used in the testing process?
- ✓ Is the certification process done by an independent third-party organization?
- ✓ Can they provide the SAE J3043 certification documentation for the mounting system?
- ✓ Does the mounting system meet the 26G minimum required resistance rating?

Learn more about SAE J3043 by visiting [sae.org](http://sae.org)

Source: SAE International, Ambulance Equipment Mount Device or System, Standard J3043, July 2014  
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