

# SAE Standards

## Enhancing Ambulance Safety in North America for Medical Devices



When it comes to ambulance transport, patient and crew safety is a top priority. Safe transport applies to more than just the ambulance, it includes properly securing medical equipment and other flying objects.

### What are the SAE standards?

SAE International is a United States based professional association and standards developing organization that creates and manages standards for ground and aerospace vehicles, including ambulances for safety.

### 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.

### 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.

### 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 22.5G 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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