



The Mobile Robot Company

Knowledge Center — ANSI/ITSDF B56.5 · 2026-08-04

<https://info.mobilerobot.com/de-de/safety-compliance/standards/ansi-itsdf-b56-5>

ANSI/ITSDF B56.5

ANSI/ITSDF B56.5-2024 appears in the J1600's [compliance list](https://info.mobilerobot.com/de-de/safety-compliance/certificates/compliance-statements/) (<https://info.mobilerobot.com/de-de/safety-compliance/certificates/compliance-statements/>). It is the United States safety standard for driverless industrial vehicles — the American counterpart to [ISO 3691-4](https://info.mobilerobot.com/de-de/safety-compliance/standards/iso-3691-4/) (<https://info.mobilerobot.com/de-de/safety-compliance/standards/iso-3691-4/>).

What the standard covers

ANSI/ITSDF B56.5, *Safety Standard for Driverless, Automatic Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles*, is maintained by the Industrial Truck Standards Development Foundation (ITSDF) and accredited by the American National Standards Institute (ANSI). It sets safety requirements for vehicles that operate without a driver, covering areas such as object and personnel detection, braking, speed control, warning indication, and the responsibilities of manufacturers and users.

The 2024 edition is the version named in the J1600's compliance list.

How it applies to the J1600

In autonomous mode the J1600 operates as a driverless industrial vehicle, so B56.5 is the reference standard for its automatic operation in the US market. The company summarizes its compliance position as meeting EU and US safety requirements, especially ISO 3691-4 and ANSI/ITSDF B56.5.

The protective measures that address these requirements are the same layered system described in [How J1600 safety works](https://info.mobilerobot.com/de-de/safety-compliance/safety-overview/how-j1600-safety-works/) (<https://info.mobilerobot.com/de-de/safety-compliance/safety-overview/how-j1600-safety-works/>): a 360-degree protective field from two 2D safety LiDAR scanners, [speed-dependent field adjustment](https://info.mobilerobot.com/de-de/safety-compliance/safety-functions/safety-field-adjustment/) (<https://info.mobilerobot.com/de-de/safety-compliance/safety-functions/safety-field-adjustment/>), [person detection](https://info.mobilerobot.com/de-de/safety-compliance/safety-functions/person-detection/) (<https://info.mobilerobot.com/de-de/safety-compliance/safety-functions/person-detection/>) and [braking](https://info.mobilerobot.com/de-de/safety-compliance/safety-functions/braking/) (<https://info.mobilerobot.com/de-de/safety-compliance/safety-functions/braking/>) with assigned Performance Levels, emergency stops, and operator-confirmed entry into automatic mode.

For the J1600's manual mode, the corresponding US standard is [ANSI/ITSDF B56.1](https://info.mobilerobot.com/de-de/safety-compliance/standards/ansi-itsdf-b56-1/) (<https://info.mobilerobot.com/de-de/safety-compliance/standards/ansi-itsdf-b56-1/>).

PRELIMINARY COMPLIANCE LIST

The J1600's compliance list comes from the preliminary January 2026 product documentation and is subject to change. No [certificates](https://info.mobilerobot.com/de-de/safety-compliance/certificates/) (<https://info.mobilerobot.com/de-de/safety-compliance/certificates/>), test reports, or country-specific approvals are published here; use current product documentation for deployment decisions.