ASTM International Technical Committee F45 on Driverless Automatic Guided Industrial Vehicles

Scope
The development of standardized nomenclature and definitions of terms, recommended practices, guides, test methods, specifications, and performance standards for driverless automatic guided industrial vehicles. The Committee will encourage research in this field and sponsor symposia, workshops, and publications to facilitate the development of such standards. The work of this Committee will be coordinated with other ASTM technical committees and other national and international organizations having mutual or related interests.

Technical Subcommittees
- F45.01 Environmental Effects
- F45.02 Docking and Navigation
- F45.03 Object Detection and Protection
- F45.04 Communication and Integration
- F45.90 Executive Subcommittee
- F45.91 Terminology

Key Documents
- F3200 Standard Terminology for Driverless Automatic Guided Industrial Vehicles
- F3218 Standard Practice for Recording Environmental Effects for Utilization with A-UGV Test Methods
- F3244 Test Method for Navigation: Defined Space
- F3265 Standard Test Method for Grid-Video Obstacle Measurement
- F3327 Standard Practice for Recording the A-UGV Test Configuration
- F3381 Standard Practice for Describing Stationary Obstacles Utilized within A-UGV Test Methods

Quick Facts
Established 2014
Number of Members 55+
Number of Standards 6
The standards are available in Volume 15.08 in the Annual Book of ASTM Standards

Staff Manager
Nora Nimmerichter
ASTM International Headquarters
100 Barr Harbor Drive
West Conshohocken, PA 19428 USA
tel +1 610.832.9815
nnimmerichter@astm.org

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astm.org/COMMIT/F45

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