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ASTM International Technical Committee E57 on 3D Imaging Systems

Scope

The development of standards for 3D imaging systems, which include, but are not limited to laser scanners (also known as LADAR or laser radars) and optical range cameras (also known as flash LADAR or 3D range camera).

The initial focus will be on standards for 3D imaging system specification and performance evaluation for applications including, but not limited to:

- Construction and Maintenance
- Surveying
- Mapping and Terrain Characterization
- Manufacturing (e.g., aerospace, shipbuilding, etc.)
- Transportation
- Mining
- Mobility
- Historic preservation
- Forensics

The work of this Committee will be coordinated with other ASTM Committees and outside organizations having mutual interest.

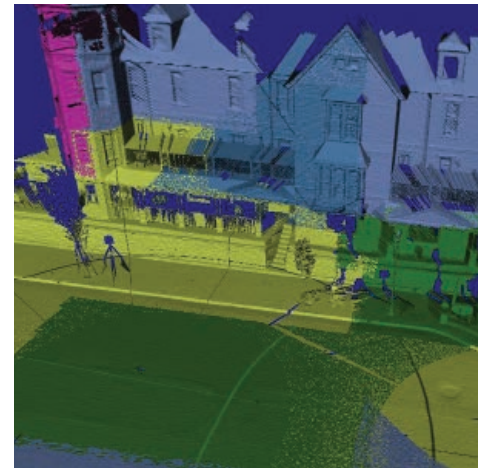
Technical Subcommittees

- E57.01 Terminology
- E57.02 Test Methods
- E57.03 Guidelines
- E57.04 Data Interoperability
- E57.90 Executive
- E57.91 Strategic Planning and Marketing

Key Documents

- E2641 Standard Practice for Best Practices for Safe Application of 3D Imaging Technology
- E2919 Standard Test Method for Evaluating the Performance of Systems that Measure Static, Six Degrees of Freedom (6DOF), Pose
- E2938 Standard Test Method for Evaluating the Relative-Range Measurement Performance of 3D Imaging Systems in the Medium Range
- E3064 New Test Method for Measuring the Performance of Optical Tracking Systems that Measure Static and Dynamic Six Degrees of Freedom (6DOF), Pose

Learn more about Committee E57
www.astm.org/COMMIT/E57



Quick Facts

Established 2006
Number of Members 60+
Number of Standards 6
Global Participation
9 Countries represented
The standards are available in
Volume 10.04 in the *Annual Book of ASTM Standards*
Meetings E57 meets as needed

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