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# ASTM International Technical Committee F42 on Additive Manufacturing Technologies

## SCOPE

The promotion of knowledge, stimulation of research and implementation of technology through the development of standards for additive manufacturing technologies. 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

- **F42.01** Test Methods
- **F42.04** Design
- **F42.05** Materials and Processes
- **F42.06** Environment, Health, and Safety
- **F42.07** on Applications
- **F42.08** on Data
- **F42.91** Terminology
- **F42.95** US TAG to ISO TC 261

## KEY DOCUMENTS

**F3572** — Standard Practice for Additive Manufacturing – General Principles – Part Classifications for Additive Manufactured Parts Used in Aviation

**F3592** — Standard Guide for Additive Manufacturing of Metals – Powder Bed Fusion – Guidelines for Feedstock Re-use and Sampling Strategies

**F3674** — Standard Practice for Additive Manufacturing – Part Grades for Automotive

**ISO/ASTM52900** — Additive manufacturing — General principles — Fundamentals and vocabulary

**ISO/ASTM52927** — Additive manufacturing — General principles — Main characteristics and corresponding test methods

**ISO/ASTM52931** — Additive manufacturing of metals — Environment, health and safety — General principles for use of metallic materials

**ISO/ASTM52933** — Additive manufacturing — Environment, health and safety — Test method for the hazardous substances emitted from material extrusion type 3D printers in the non-industrial places

**ISO/ASTM52949** — Additive manufacturing of metals — Qualification principles — Installation, operation and performance (IQ/OQ/PQ) of PBF-EB equipment



## QUICK FACTS

**Established** 2009

**Number of Members** 800

**Number of Standards** 72

**Global Participation**

40 countries represented

**The standards are available in**

Volume 10.04 in the *Annual Book of ASTM Standards*

**Meetings** F42 meets independently in spring and fall, at locations within the U.S. and abroad, respectively.

## STAFF MANAGER

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