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ISO/ASTM52911-1-19 Additive manufacturing — Design — Part 1: Laser-based powder bed fusion of metals

ISO/ASTM52907-19 Additive manufacturing — Feedstock materials — Methods to characterize metallic powders

F2971-13(2021) Standard Practice for Reporting Data for Test Specimens
Prepared by Additive Manufacturing

E2641-09(2017) Standard Practice for Best Practices for Safe Application of 3D Imaging Technology

ISO/ASTM52901-16 Standard Guide for Additive Manufacturing – General Principles – Requirements for Purchased AM Parts

ISO/ASTM52903-2-20 Additive manufacturing — Material extrusion-based additive manufacturing of plastic materials — Part 2: Process equipment

ISO/ASTM52942-20 Additive manufacturing — Qualification principles — Qualifying machine operators of laser metal powder bed fusion machines and equipment used in aerospace applications

ISO/ASTM52950-21 Additive manufacturing — General principles — Overview of data processing

ISO/ASTM52915-20 Specification for additive manufacturing file format (AMF) Version 1.2

F2980-13(2017) Standard Test Method for Analysis of Heavy Metals in Glass by Field Portable X-Ray Fluorescence (XRF)

F3302-18 Standard for Additive Manufacturing – Finished Part Properties – Standard Specification for Titanium Alloys via Powder Bed Fusion

E3124-17 Standard Test Method for Measuring System Latency Performance of Optical Tracking Systems that Measure Six Degrees of Freedom (6DOF) Pose

F3213-17 Standard for Additive Manufacturing – Finished Part Properties – Standard Specification for Cobalt-28 Chromium-6 Molybdenum via Powder Bed Fusion

E3125-17 Standard Test Method for Evaluating the Point-to-Point Distance Measurement Performance of Spherical Coordinate 3D Imaging Systems in the Medium Range

ISO/ASTM52910-18 Additive manufacturing — Design — Requirements, guidelines and recommendations

F3301-18a Standard for Additive Manufacturing – Post Processing Methods – Standard Specification for Thermal Post-Processing Metal Parts Made Via Powder Bed Fusion

F3318-18 Standard for Additive Manufacturing – Finished Part Properties – Specification for AlSi10Mg with Powder Bed Fusion – Laser Beam

F2725-19 Standard Guide for European Union's Registration, Evaluation, and Authorization of Chemicals (REACH) Supply Chain Information Exchange

F2931-19a Standard Guide for Analytical Testing of Substances of Very High Concern in Materials and Products

ISO/ASTM52921-13(2019) Standard Terminology for Additive Manufacturing—Coordinate Systems and Test Methodologies

F2924-14(2021) Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion

F3001-14(2021) Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium ELI (Extra Low Interstitial) with Powder Bed Fusion

F3049-14(2021) Standard Guide for Characterizing Properties of Metal Powders Used for Additive Manufacturing Processes

F3091/F3091M-14(2021) Standard Specification for Powder Bed Fusion of Plastic Materials

F3056-14(2021) Standard Specification for Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion

F3055-14a(2021) Standard Specification for Additive Manufacturing Nickel Alloy (UNS N07718) with Powder Bed Fusion

ISO/ASTM52930-21 Additive manufacturing — Qualification principles — Installation, operation and performance (IQ/OQ/PQ) of PBF-LB equipment

ISO/ASTM52903-1-20 Additive manufacturing — Material extrusion-based additive manufacturing of plastic materials — Part 1: Feedstock materials

F3413-19e1 Guide for Additive Manufacturing — Design — Directed Energy Deposition

ISO/ASTM52941-20 Additive manufacturing — System performance and reliability — Acceptance tests for laser metal powder-bed fusion machines for metallic materials for aerospace application

F3490-21 Standard Practice for Additive Manufacturing — General Principles — Overview of Data Pedigree

ISO/ASTM52900-21 Additive manufacturing — General principles — Fundamentals and vocabulary

ISO/ASTM52925-22 Additive manufacturing of polymers — Feedstock materials — Qualification of materials for laser-based powder bed fusion of parts

F3456-22 Standard Guide for Powder Reuse Schema in Powder Bed Fusion Processes for Medical Applications for Additive Manufacturing Feedstock Materials

F3530-22 Standard Guide for Additive Manufacturing — Design — Post-Processing for Metal PBF-LB

F3572-22 Standard Practice for Additive Manufacturing – General Principles – Part Classifications for Additive Manufactured Parts Used in Aviation

F3571-22 Standard Guide for Additive Manufacturing – Feedstock – Particle Shape Image Analysis by Optical Photography to Identify and Quantify the Agglomerates/Satellites in Metal Powder Feedstock

F3529-21 Guide for Additive Manufacturing — Design — Material Extrusion of Polymers

F3560-22 Standard Specification for Additive Manufacturing – Data – Common Exchange Format for Particle Size Analysis by Light Scattering

F3554-22 Standard Specification for Additive Manufacturing – Finished Part Properties – Grade 4340 (UNS G43400) via Laser Beam Powder Bed Fusion for Transportation Applications

F2577-22 Standard Guide for Compositional Evaluation of Declarable Substances and Substances of Concern for Materials in Products

E2807-11(2019)e1 Standard Specification for 3D Imaging Data Exchange, Version 1.0

F3606-22 Standard Guide for Additive Manufacturing — Feedstock Materials — Testing Moisture Content in Powder Feedstock

F3522-22 Standard Guide for Additive Manufacturing of Metals — Feedstock Materials — Assessment of Powder Spreadability

E2919-22 Standard Test Method for Evaluating the Performance of Systems that Measure Static, Six Degrees of Freedom (6DOF), Pose

ISO/ASTM52911-2-19 Additive manufacturing — Design — Part 2: Laser-based powder bed fusion of polymers

F3605-23 Standard Guide for Additive Manufacturing of Metals — Data — File Structure for In-Process Monitoring of Powder Bed Fusion (PBF)

ISO/ASTM52911-3-23 Additive manufacturing — Design — Part 3: PBF-EB of metallic materials

F3624-23 Standard Guide for Additive Manufacturing of Metals – Powder Bed Fusion – Measurement and Characterization of Surface Texture

F3626-23 Standard Guide for Additive Manufacturing — Test Artifacts — Accelerated Build Quality Assurance for Laser Beam Powder Bed Fusion (PBF-LB)

F3489-23 Standard Guide for Additive Manufacturing of Polymers — Material Extrusion — Recommendation for Material Handling and Evaluation of Static Mechanical Properties

F3637-23 Standard Guide for Additive Manufacturing of Metal — Finished Part Properties — Methods for Relative Density Measurement

ISO/ASTM52920-23 Additive manufacturing — Qualification principles — Requirements for industrial additive manufacturing processes and production sites

F3592-23 Standard Guide for Additive Manufacturing of Metals – Powder Bed Fusion – Guidelines for Feedstock Re-use and Sampling Strategies

F3615-23 Standard Practice for Additive Manufacturing — Powder Bed Fusion — Condition-Defined Maintenance for Optical Systems

F3607-22 Standard Specification for Additive Manufacturing – Finished Part Properties – Maraging Steel via Powder Bed Fusion

ISO/ASTM52902-23 Additive manufacturing — Test artefacts — Geometric capability assessment of additive manufacturing systems

F2617-15(2023) Standard Test Method for Identification and Quantification of Chromium, Bromine, Cadmium, Mercury, and Lead in Polymeric Material Using Energy Dispersive X-ray Spectrometry

F2853-10(2023) Standard Test Method for Determination of Lead in Paint Layers and Similar Coatings or in Substrates and Homogenous Materials by Energy Dispersive X-Ray Fluorescence Spectrometry Using Multiple Monochromatic Excitation Beams

F3078-15(2023) Standard Test Method for Identification and Quantification of Lead in Paint and Similar Coating Materials using Energy Dispersive X-ray Fluorescence Spectrometry (EDXRF)

F3139-15(2023) Standard Test Method for Analysis of Tin-Based Solder Alloys for Minor and Trace Elements Using Inductively Coupled Plasma Atomic Emission Spectrometry

ISO/ASTM52935-23 Additive manufacturing of metals — Qualification principles — Qualification of coordination personnel

E2938-15(2023) Standard Test Method for Evaluating the Relative-Range Measurement Performance of 3D Imaging Systems in the Medium Range

F3635-23 Standard Specification for Additive Manufacturing – Finished Part Properties – Standard Specification for Niobium-Hafnium Alloy UNS R04295 via Laser Beam Powder Bed Fusion for Spaceflight Applications

ISO/ASTM52939-23 Additive manufacturing for construction — Qualification principles — Structural and infrastructure elements

F3184-16(2023) Standard Specification for Additive Manufacturing Stainless Steel Alloy (UNS S31603) with Powder Bed Fusion

F3187-16(2023) Standard Guide for Directed Energy Deposition of Metals

F3604-23 Standard Practice for Validating the Additive Manufacturing (AM) Production Process for Medical Devices Produced Using Laser Powder Bed Fusion

F3674-24 Standard Practice for Additive Manufacturing – Part Grades for Automotive

E2544-24 Standard Terminology for Three-Dimensional (3D) Imaging Systems

ISO/ASTM52945-23 Additive manufacturing for automotive — Qualification principles — Generic machine evaluation and specification of key performance indicators for PBF-LB/M processes

ISO/ASTM52926-1-23 Additive manufacturing of metals — Qualification principles — Part 1: General qualification of operators

ISO/ASTM52926-4-23 Additive manufacturing of metals — Qualification principles — Part 4: Qualification of operators for DED-LB

ISO/ASTM52926-3-23 Additive manufacturing of metals — Qualification principles — Part 3: Qualification of operators for PBF-EB

ISO/ASTM52926-2-23 Additive manufacturing of metals — Qualification principles — Part 2: Qualification of operators for PBF-LB

ISO/ASTM52908-23 Additive manufacturing of metals — Finished part properties — Post-processing, inspection and testing of parts produced by powder bed fusion

ISO/ASTM52933-24 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/ASTM52927-24 Additive manufacturing — General principles — Main characteristics and corresponding test methods

ISO/ASTM52943-2-24 Additive manufacturing for aerospace — Process characteristics and performance — Part 2: Directed energy deposition using wire and arc

D8558-24 Standard Guide for Verification of a Certificate of Authentication Used to Track Products through Their Supply Chain by Utilizing Blockchain Technology

ISO/ASTM52904-24 Additive manufacturing of metals — Process characteristics and performance — Metal powder bed fusion process to meet critical applications

F3488-22 Standard Guide for Additive Manufacturing — Design — Decision Support

F3704/F3704M-24 Standard Practice for Nondestructive Testing (NDT),
Inspection Levels and Acceptance Criteria for Parts Manufactured with Laser
Based Powder Fusion

F3682-24c Standard Terminology for Goods Movement Process (GMP) Precise
Foundational Definitions