Progress in Additive Manufacturing
https://doi.org/10.1007/s40964-023-00531-7

SHORT COMMUNICATION

Standardisation efforts of ISO/TC 261 "additive manufacturing" 22nd plenary meeting of ISO/TC 261 "additive manufacturing"

Eujin Pei[1] · **Marius Lakomiec**[2]

Received: 9 October 2023 / Accepted: 20 October 2023

Abstract
The main objective of ISO/TC 261 is to standardize the processes of Additive Manufacturing, the process chains (Data, Materials, Processes, Hard- and Software, Applications), test procedures, quality parameters, supply agreements, environment, health and safety, fundamentals and vocabularies. This section provides readers with news regarding standardisation efforts of ISO/TC 261. Further up-to-date information regarding recently published documents, such as new standards, revised standards, the status of standards can be found in the ISO/TC261 webpages: https://www.iso.org/committee/629086.html and from the committee webpages: https://committee.iso.org/sites/tc261/home/news.html.

Keywords Standardisation · Standards · Additive manufacturing

1 New projects

ISO/ASTM PWI "Additive manufacturing – Environment, health and safety – Qualification principles for life cycle assessment of parts and processes" registered as a preliminary work item and assigned to ISO/TC 261/WG 6 with a mature document for ISO/NP-ballot and ASTM F42.06 Sub-Committee Ballot due until the beginning of April 2024.

2 Project updates

None.

3 Project stage updates

ISO/ASTM 52957 "Additive Manufacturing—Design—Parts using ceramic materials" will skip the CD-stage and to be registered as stage code 30.99 "CD approved for registration as DIS".

4 Project extensions

None.

5 Revisions

ISO/ASTM 52909:2022 "Additive manufacturing of metals—Finished part properties—Orientation and location dependence of mechanical properties for metal powder bed fusion" will have a minor revision without any changes to the scope and without any changes to the technical content. Changes the title to "Additive manufacturing of metals—Finished part properties—Orientation and location dependence of mechanical properties for metal parts".

International Organisation for Standardisation [1] 22nd Plenary Meeting of ISO/TC 261 "Additive Manufacturing" held on 22 September 2023 in Incheon, Republic of Korea.

✉ Eujin Pei
eujinpei1@gmail.com

[1] Brunel University London, London, UK

[2] EOS GmbH, Krailling, Munich, Germany

Published online: 17 November 2023

6 Change of name and scope/merging of projects

Merger of ISO/TC 261/JG 61 "Mechanical properties characterization of additively manufactured metallic materials" and JG 76 "Revision of ISO 17296-3 & ASTM F3122-14" under the lead of JG 76. ISO/TC 261 merges JG 61 and JG 76 under the lead of JG 76, renames JG 76 to "Mechanical test methods", and changes the scope to: Standardization in the field of mechanical test methods that are used to determine the properties for additively manufactured materials. It includes metallic, polymer and ceramic materials.

Funding Not applicable.

Declarations

Conflict of interest Not applicable.

Disclaimer The material and information contained is for general information purposes only. Readers are advised not to rely upon the material or information as a basis for making any business, legal or any other decisions. Whilst the Progress in Additive Manufacturing Journal (PIAM) endeavours to keep the information up to date and correct, PIAM makes no representations or warranties of any kind, express or implied about the completeness, accuracy, reliability, suitability or availability with respect to the information contained in the journal for any purpose.

Ethical approval Not applicable

Reference

1. International Organisation for Standardisation (2023) 22nd Plenary Meeting of ISO/TC 261 "Additive Manufacturing" held on 22 September 2023. ISO/TC 261 N 1445.