



InterNational Committee for Information Technology Standards (INCITS)

Secretariat: Information Technology Industry Council (ITI)

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www.INCITS.org



eb-2019-00315

Replaces: eb-2019-00124

Date: July 1, 2019

To: INCITS Community, INCITS Executive Board, Interested Parties and Prospective Members

Reply To: [Bill Ash](#)

Subject: **New TC INCITS/Digital Manufacturing (US TAG to JTC 1/WG 12 - 3D Printing and Scanning) - Notice of July 23, 2019 Meeting and Call for Members**

Action: The new Technical Committee, INCITS/Digital Manufacturing, was established by the INCITS Executive Board to serve as the US TAG to JTC 1/WG 12 – 3D Printing and Scanning. To join this technical committee, please see the membership details below.

RSVPs for the meeting should be submitted to Bill Ash (bash@itic.org) as soon as possible.

Background on Establishment of INCITS/Digital Manufacturing – At the February 2019 INCITS Executive Board meeting, a new Technical Committee, INCITS/Digital Manufacturing, was established to serve as the US TAG to JTC 1/WG 12 on 3D Printing and Scanning.

In addition to serving as the US TAG to JTC 1/WG 12, the scope of INCITS/Digital Manufacturing will include the development of ICT standards specifically relevant to digitally enabling the prototyping and manufacturing of physical objects. As necessary and when not covered elsewhere, this will include nomenclature, frameworks, interface and protocol specifications, and format specifications required for facilitating the digital control of the production and supply of physical objects including but not limited to additive and subtractive fabrication and automated assembly and distribution.

Upcoming Meeting – July 23, 2019. The next meeting of INCITS/Digital Manufacturing will be held electronically via WebEx on July 23, 2019 (12:00 PM to 2:00 PM (Eastern) / 9:00 AM to 11:00 AM (Pacific)). The agenda, related documents and instructions for joining the WebEx meeting will be distributed to organizational representatives that have requested membership on the new committee.

Membership - Membership in INCITS is open to all directly and materially affected parties who return a signed INCITS Membership Agreement and pay the applicable service fees. To comply with ANSI requirements, while all parties may participate in the discussion, only those organizations that are US National Interested Parties in the US may vote to establish a US position on TAG matters. A US National Interested Party is one of the following entities directly and materially affected by the relevant standards activity:

- an individual representing a corporation, or an organization domiciled in the US (including US branch offices of foreign companies authorized to do business in one or more states as defined by the relevant US State's Corporation law);
- an individual representing a US federal, state or local government entity; or
- a US citizen or permanent resident.

Important: All organizations that request voting membership using the online application (<https://standards.incits.org/kcpm/signup>), return a signed copy of the [INCITS membership Agreement to agreement@standards.incits.org](mailto:INCITS_membership_Agreement_to_agreement@standards.incits.org). Once the application and agreement have been completed, voting rights will be attained at the start of the second of two out of three successive meetings attended. Advisory members must also submit a membership application via the online membership form and return a signed INCITS Membership Agreement. Others in attendance will be recorded as guests.

The committee will operate under the ANSI-accredited procedures for the InterNational Committee for Information Technology Standards (INCITS); (see [INCITS Organization, Policies and Procedures](#)). Additional information can also be found at <http://www.INCITS.org> and <http://www.incits.org/participation/membership-info>.

Scope of JTC 1/WG 12 on 3D Printing and Scanning – JTC 1/WG 12 was established with the following terms of reference:

1. *Serve as a focus of and proponent for JTC 1's standardization program on 3D Printing and Scanning.*
2. *Develop ICT related foundational standards for 3D Printing and Scanning upon which other standards can be developed.*
3. *Develop other 3D Printing and Scanning standards that are built upon the foundational standards when relevant ISO and IEC committees that could address these standards do not exist or are unable to develop them.*
4. *Identify gaps and opportunities in 3D Printing and Scanning standardization.*
5. *Develop and maintain liaisons with all relevant ISO and IEC committees as well as with external organizations that have interests in 3D Printing and Scanning.*
6. *Engage with 3D Printing and Scanning communities to raise awareness of JTC 1 standardization efforts and provide an open platform for discussion and further cooperation.*
7. *Develop and maintain a list of existing 3D Printing and Scanning standards produced and standards development projects underway in ISO TCs, IEC TCs and JTC 1.*

JTC 1/WG 12 has the following approved project:

- ISO/IEC WD 23510 - Information technology - 3D Printing and Scanning - Framework for Additive Manufacturing Service Platform (AMSP)

JTC 1/WG 12 currently has two ad hoc groups:

- **Ad Hoc Group 1 on 4D Printing** with the following Terms of Reference:
 - Provide a description of key concepts and terminology related to 4D Printing.
 - Study and document the technological, market and related societal requirements for ICT standardization on 4D Printing.
 - Study and document current technologies that are being deployed to enable 4D Printing.
 - Assess the current state of standardization activities relevant to 4D Printing in other relevant ISO and IEC TCs, in other SDOs and in consortia.
 - Identify and propose how JTC 1 could address ICT standardization needs of 4D Printing.
 - Provide a progress report to the 3rd F2F WG 12 meeting including recommendations for further study and/or potential NWIPs.
- **Ad Hoc Group 2 on Overview and Vocabulary** with the following Terms of Reference:
 - Aggregation of a definition of terminology related to 3D printing and scanning
 - Document overview and use case in various industry area