

Who We Are: The National Institute of Building Sciences (NIBS)

Congress-Chartered, Nonprofit, Public-Private
Collaborator for Accelerating Innovation

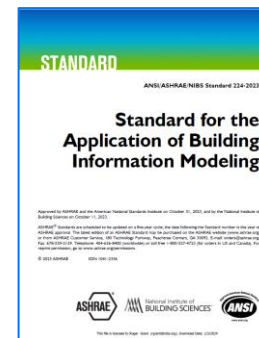
NIBS Innovation Cycle



- Established by Congress in 1974 to bridge the gap between government and industry in **improving the built environment on behalf of the public.**
- National **convener and technical integrator** across planning, design, construction, and operations.
- Applies expertise in innovation planning, modeling, data integration, and systems thinking to **support intelligent delivery and management of assets:** facilities, transportation networks, utilities, digital assets, and institutional knowledge.
- Leads digital modernization initiatives such as:
 - Digital Technology Council (DTI-C, NBIMS, NCS)**
 - ISO/TC 59/SC 13 Assumption of Chair**
 - Data-Centric Owner Smart Market Report**
 - FHWA Digital Delivery Stakeholder Group, Central BIM Transportation Library, BIM for Bridges EC**
 - NAVFAC AI to Streamline Design and Construction**
 - OBO Modernization Change Management Plan**
 - OBO BIM & Digital Twin Program**
 - VA SEPS to BIM Library**

NIBS Digital Delivery Standards Activities

- ANSI/ASHRAE/NIBS Standard 224 Application of BIM for Owners:
- National CAD Standard U.S. V7: www.nibs.org/ncs/
- National BIM Standard U.S. V4: www.nibs.org/nbims/v4
 - Adoption and use on infrastructure projects
- ISO TC59SC13 Technical Advisory Group with ASHRAE
TAG Chair Jay Kline – jkline@nibs.org
 - Committee membership and participation
- Information Management and Exchange Standards Development
 - Focused on Information Management Standards and aligning with ISO 19650 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling
 - Work with other industry standards development organizations on coordinated U.S. Standards and Guidelines development



NIBS Digital Delivery Standards Program Goals

- **Expand the adoption and use of existing U.S. National Standards for buildings and infrastructure**
 - NCS V7, NBIMS V4 and ANSI/ASHRAE/NIBS Standard 224 in Infrastructure
- **Advance the use and support if relevant ISO Standards in the U.S.**
 - Work with ASHRAE to rebuild and advance the ISO TC59/SC13 Technical Advisory Group (TAG) operations through assuming chair, expanding membership and participation in building and infrastructure domains
 - Develop a U.S. Forward and Annex for ISO 19650 and accompanying Use Guidelines and promote its adoption and use in U.S.
- **Collaborate with other industry standards organizations to adopt and develop open standards for digital delivery in the U.S. per the Standards and Guidelines Framework**
 - Foster increased awareness and use of ISO Building Information Management standards
 - Advance bSI standards use and adoption for buildings and infrastructure
 - Identify and help meet needs for standards for digital twins and AI



NIBS Digital Delivery Standards Program Goals – Get Involved

Collaborate with other industry standards organizations to adopt and develop open standards for digital delivery in the U.S. per the Standards and Guidelines Framework

ISO TC59/SC13 Technical Advisory Group (TAG)



<https://forms.office.com/r/ckkgUT6gNP>

Advance the use and support of relevant ISO Standards in the U.S.

Foster increased awareness and use of ISO Building Information Management standards

BIM Framework & Information Management (ISO 19650 series)
Information Structures & Classification (ISO12006 series)
Level of Information Need (ISO 7817 series)
Information Containers & Data Exchange (ISO21597 series)

NIBS Digital Technology Council



<https://nibs.org/dtc/>

Expand the adoption and use of existing U.S. National Standards for buildings and infrastructure

NCS V7, NBIMS V4 and ANSI/ASHRAE/NIBS Standard 224 in Infrastructure

Identify and help meet needs for standards for digital twins and AI

Thank You

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