National Institute of BUILDING SCIENCES™
Building American Innovation

National Institute of Building Sciences

Pathways to Partnership

SAME Huntsville Post Industry Day

October 21, 2026



PATHWAYS TO PARTNERSHIP

National Institute of BUILDING SCIENCES™
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NIBS connects science, policy, and practice, turning national expertise into solutions that serve the public

WHO IS National Institute of Building Sciences - NIBS

Created by Congress in 1974, NIBS is an independent 501(c)(3) non-profit, non-governmental organization that supports advances in building science and technology. We serve as an interface between government and the private sector with focus on the public interest.



Built by Statute, Not by Market

Created by Congress in 1974. While not a federal agency, NIBS was **purpose built by statute to serve the national interest.**



Our Unique Role

Bring together government, industry, academia, and professional organizations to align around shared challenges, develop consensus-based criteria and best practices, and **accelerate delivery of resilient, mission-critical infrastructure**.



Serving the Public Interest

Not a trade association, professional society, regulator, or grant agency. NIBS exists to advance building science and technology in the **public interest.**



Direct Access for Agencies - Federal agencies with building or construction responsibility are authorized **by statute** to contract with NIBS directly - no competition, no protest, no ceiling.

NIBS connects science, policy, and practice, turning national expertise into solutions that serve the public

Our Solutions Make a Lasting Impact on the Nation

Many of today's challenges require more than technical expertise. By connecting diverse capabilities and stakeholders, NIBS develops innovative, practical solutions that advance the building sciences, inform policy, and strengthen the nation's infrastructure.

Criteria, Standards & Technical Delivery

- Whole Building Design Guide (WBDG)
- AF Sentinel Infrastructure Design Criteria
- Unified Facilities Criteria Updates & Program Support (NAVFAC & AFCEC)
- National Earthquake Hazards Reduction Program (NEHRP)
- EPA Post-Disaster Debris Management Study
- National BIM and CAD Standards

Technology, Transformation & Innovation

- WBDG Criteria Management System Modernization (CMS)
- NAVFAC EXWC AI Application Analysis for Design & Construction Use Cases
- USACE GeoDataOne Platform
- ProjNet management, upgrade, licensing, and support
- FedBIM Working Group
- FHWA Central BIM Transportation Library

Architecture, Engineering & Program Management

- AF JBER Installation Planning Support
- AF Fire Protection Engineer Support to Sentinel Program Office
- UK Cost Book for MII
- Dept of State Cost Management and AI Integration

Industrialized Construction & Infrastructure Modernization

- NAVFAC Criteria, Standards, Tools & Planning Documentation to support **IC (Barracks & CDC)**
- HUD Performance Based Codes for Modular Housing
- HUD Scale Factory Built Housing Through AI
- High Performance Buildings Guide (formerly GSA Sustainable Facilities Tools)

Cost Management & Capital Improvement Planning

- AF UK Cost Book Development for MII
- TRACES (Tri-Service Automated Cost Engineering System) System Evaluation
- Dept of State Cost Mgt and AI Integration Planning
- GSA Courthouse Benchmarking Costs
- GSA MADCAD Code Subscription Management

Facilitation, Education & Policy Leadership

- FHWA Digital Delivery Stakeholder Group
- DOE Federal Energy Management Program
- NIBS Building Innovation & Building For Tomorrow Summits
- NIST, FEMA, EPA Lifeline Infrastructure Gap Analysis
- NIBS Webinars
- NC State Modular Education Network Advisory Board – Modular Construction Curriculum Development

How we’re bringing relevant solutions to National Emerging Priorities

Numerous Federal Agencies are working with NIBS to solve challenges to current and emerging priorities

FEDERAL PROGRAMS THAT MAY BE RELEVANT TO YOUR CURRENT FOCUS AREAS

NAVFAC

Industrialized Construction for Barracks & CDCs

Convened the IC integrators, AE experts, researchers, and government partners to build criteria, design standards, tools, policy updates and economic models — turning IC into a functional capability that delivers faster at lower cost.

NIBS has joined the SAME Alternative Construction Methods Working Group which focuses on advancing industrialized construction.

AIR FORCE

Sentinel infrastructure Design Criteria

Collaborate with AF, WS Contractor, AE technical experts to map weapon system and infrastructure interfaces to the most appropriate codes and standards; and organizing site visits to share lessons learned and best practices.

HUD

Performance-Based Codes for Modular Construction & Scale Factory Built Housing using AI

Develop Code Addendum allowing for performance based code adoption and housing system certification.

USACE/NAVFAC /AFCEC

WBDG/UF/UFGS Criteria Management Program

Supported the UFC reform program, the modernization of the Criteria Management System. The WBDG could host more documentation from across local, State, and Federal agencies.

WBDG is also a platform for Knowledge Exchange and Continuing Education!

DOE

Federal Energy Management Workshops

Host DOE FEMP training and workshops on the WBDG. Aligned directly to the Huntsville Center's energy project mission and the delivery questions that come with it.

Understanding your most urgent priorities allows us to apply our expertise where it matters most.

We're excited to bring together the best in Government, Industry, and Academia

The Nation's challenges rarely have a single-discipline answer. NIBS has the capability to convene the personnel, industry partners and expertise your needs call for.

THOUGHTFULLY COMPOSED TEAMS WITH THE RIGHT QUALIFICATIONS

We reach partners across design, construction, manufacturing and technology

Teams are built with you, not presented to you. We scope the right mix against your requirement, then adjust as the work evolves.

ACCELERATING ACQUISITION TIMELINES WITH SOLE SOURCE AUTHORITY

Multiple Direct sole source awards through our authority across multiple clients and customers in the DOW

Currently hold a CRADA with USACE CERL to administer ProjNet, and have a Recently expired USACE IDIQ in support of collaboration analytics

AFMC IDIQ currently supporting Federal clients across the Tri-Services

INNOVATIVE APPROACHES THAT OFFER THE BOOST YOU NEED

Criteria, standards, tools and policy, delivered as a package so alternative delivery becomes repeatable.

Super Intelligent-assisted (AI) criteria review surfaces conflicts across thousands of pages in hours, not weeks.

Performance-based codes that can remove barriers to modular and energy programs at scale.

NIBS'S AUTHORITY OPENS ACCESS ACROSS THE ENTIRE INDUSTRY

A/E, Manufacturing, Technology & Construction Companies

Universities and Research Institutions

Other Federal Agencies, Associations and Non-Profit Organizations

CONGRESSIONALLY CREATED TO RECEIVE SOLE SOURCE AWARDS

1. **Congressionally created in 1974.** NIBS was created to sit between government and industry - with direct contracting authority written into the charter.
2. **Direct award.** Every federal agency with building or construction responsibility is authorized to contract with the Institute.
3. **No competition. No protest. No ceiling. No passthrough limitations.**
4. **Your KO's fastest lawful path to award.** §809(g)(3), P.L. 93-383 · 12 U.S.C. 1701j-2 · FAR 6.302-5 – award in as little as 4 weeks.

YOU MAY ALREADY USE WHAT WE SUPPORT

ProjNet™ · WBDG Whole Building Design Guide · NCS United States National CAD Standard · National BIM Standard · nehrp · CMS

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OPEN DISCUSSION

THANK YOU!

