

Proposed NBIMS *buildingSMART Certification*

A means of recognition, testing, tracking, and benchmarking

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Overview

- Mission
- Basis
- Description
- NBIMS Testing Implications
- Strengths / Weaknesses
- Conclusion



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buildingSMART Certification

- The mission of the “buildingSMART certification” is to promote a BIM approach that positively encourages inclusion, recognition, and best business practices in the A/E/C and FM industry.



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Basis

- Applies the “Capability Maturity Model” with an already proven approach
 - US Green Building Council’s Leadership in Energy and Environmental Design (LEED)
 - ASTM Standards-based
 - Struggled with same issues 12 years ago that NBIMS faces today
- “Relative simplicity at converting complex information into a single number” -- Kibert



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Description

- Scoring Matrix similar to “Maturity Levels” on current Capability Maturity Model
 - NIBS or NBIMS Exec. Committee sets weights
- Scores along the continuum would allow for less or more recognition
 - “Certified, Silver, Gold, Platinum”
- Additional benefits:
 - BIM-certified firms and professionals
 - Annual awards for top BIM projects



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Description

- EXISTING:
- LEED-NC 2.1: New Construction
- LEED-EB: Existing Buildings
- LEED-CI: Commercial Interiors
- LEED-H: Homes
- PROPOSED
- BIM-NC: New Construction
- BIM-EB: Existing Buildings
- BIM-H: Horizontal Construction
- BIM-SS: Subsurface



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NBIMS Testing Implications

- Initially, on 30 or so test projects across GSA, NAVFAC, and COE
 - “mandate” certain certification score on the BIM-certification continuum
 - Apply to all four BIM areas proposed
- Analysis
 - Establish “Lessons Learned”
 - Stakeholder Surveys



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Analysis

- Strengths



- LEED's proven exponential success
- Familiarity
- Simplicity
- Firms come to us
- Builds benchmark database
- Carrot, not a stick

- Weaknesses



- Already a lot of “rating systems” to learn in US and abroad
- Instantly opposed by LEED's counterculture
- Administrative toll of certifying projects?
- Too diverse to be as simplified?



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Conclusion

- Propose using LEED model as approach to BIM Evaluation
- Proven Success and mainstream acceptability
- Equals a possible beginning point for real world NBIMS implementation



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