Version 3
Progress and Outlook Report

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Vice-Chair, US National BIM Standard Project Committee
Version 3: Project Committee Leadership

Chris Moor – *Chair*

Director of Industry Initiatives,
American Institute of Steel Construction (AISC)

Jeffrey W. Ouellette – *Vice Chair*

Architect Product and BIM Specialist
Nemetschek Vectorworks, Inc.

Connor Christian – *Secretary*

VDC Lead Vertical Designer
Kiewit
Process Overview

Subcommittees

Workgroups

Product Development

Technical Standard Practice
Implementation Terminology

Marketing & Education

Content Development

Ideas & Concepts

Ballot Development

Ballot Submittals and Voting

Acceptance to NBIMS

Adoption
V3 Proposed Table Of Contents

NBIMS-US

Reference Standards

Information/Data Exchange Standards

Standard Practice & Process
V3 Proposed Table Of Contents

**NBIMS-US**

- Reference Standards
- Information/Data Exchange Standards
- Standard Practice & Process
- Best/Proven Practice Documents
- Publications
- Education, Promotion, References, Usage
Schedule & Ballot Cycle

- **Preparation**
  - 2 months
  - Find & Nominate New Chair
  - Promote & Educate
- **Production**
  - 1 month
  - Handover Period
  - Organizational Structure
  - 3 months
  - Ballot Period
  - 6 months
  - Produce & Publish
  - 6 months
- **Promotion**
  - 9 months
  - NBIMS release
  - Promote & Educate

- 2 year cycle/2 year chair appointment

1 month to determine organizational structure and prepare mandates etc.
1 month to put people in place
1 month to review procedures and get everyone on same page
Where we are at...today

<table>
<thead>
<tr>
<th>Name</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ballot submission period</td>
<td>Jun 3 - Sep 19</td>
</tr>
<tr>
<td>Ballot review period</td>
<td>Jun 3 - Nov 13</td>
</tr>
<tr>
<td>Ballot comment period</td>
<td>Nov 14 - Jan 17</td>
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<tr>
<td>Comment review &amp; summary period</td>
<td>Jan 18 - Jan 24</td>
</tr>
<tr>
<td>Ballot review and discussion meeting</td>
<td>Jan 27 - Jan 28</td>
</tr>
<tr>
<td>Ballot preparation &amp; distribution period</td>
<td>Jan 29 - Feb 11</td>
</tr>
<tr>
<td>Ballot voting period</td>
<td>Feb 12 - Mar 18</td>
</tr>
<tr>
<td>Ballot result and certification</td>
<td>Mar 19 - Mar 27</td>
</tr>
</tbody>
</table>

27 Ballots Approved
~12 Rejected, withdrawn, combined
Scope of Ballots

(6) Information Exchanges
(11) Reference Standards
(4) Standard Practices
(6) Terminology
Information Exchanges

COBie 2.4 – LEAN operations business cases

LCie – “COBieLite” XML for Lifecycle app development
Information Exchanges

COBie 2.4 – LEAN operations business cases

LCie – “COBieLite” XML for Lifecycle app development

BPie – Identifying and validating client requirements
Information Exchanges

COBie 2.4 – LEAN operations business cases
LCie – “COBieLite” XML for Lifecycle app development

BPie – Identifying and validating client requirements

HVACie – representation of HVAC systems
WSie – representation of Plumbing systems
Sparkie – representation on Electrical systems
OmniClass Tables – standardized classification of data

- Table 11 – Construction Entities by Function
- Table 12 – Construction Entities by Form
- Table 22 – Work results
- Table 31 – Phases
- Table 33 – Disciplines
- Table 34 – Organizational Roles
- Table 41 – Materials
- Table 49 – Properties
Reference Standards

US National CAD Standard® (NCS)
- standards for BIM exported to CAD/Paper documentation

BIM Collaboration Format (BCF)
- Data exchange standard for issue management

Level of Development (LOD)
- Managing expectations of BIM data development
Standard Practices

Minimum BIM, 2\textsuperscript{nd} Ed.
- Better describes CMM and its use

Practical BIM Contract Req.
- Requirements used by the USACE for BIM on design build projects

BIM Planning Guide For Owners
- Provides a structured approach for facility owners to plan adoption of BIM

The Uses of BIM
- Defining a common language for the uses of BIM throughout lifecycle
Terminology

Six ballots addressing formal adoption of terminology related to ballots and current standards from versions 1, 2, and 3.

Including updates to some terms from v1 and v2.
V2 = 2%

but a significant impact on BIM practice

V3 = 4%??

Summer 2014
One more thing...

THANK YOU

...to our volunteers
Questions?

This concludes The American Institute of Architects Continuing Education Systems Course

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