

## Executive Committee Meeting Agenda & Minutes

Tuesday November 14<sup>th</sup>, 2006 - 9:00am – 4:00pm  
 NIBS Headquarters – Main Conference Room –  
 1090 Vermont Avenue, NW, Suite 700 | Washington, DC 20005-4905

9:00 am	Opening Comments – Chair, Deke Smith
9:15 am	Fundraising Task Team Report – Ric Jackson
9:30 am	Scoping Task Team Report – Dianne Davis
10:00 am	Development Task Team Report – Bill East
10:30 am	Testing Task Team Report – Patrick Suermann
10:50 am	Business Process Integration Task Team Report – David Jordani
11:10 am	Communications Task Team Report – Alan Edgar
11:30 am	Discuss and vote on Model Task Team – Richard See
11:55 am	Quick break
12:00 Lunch	Open Forum Discussion
1:00 pm	Lead Author Reports - NBIMS proposed content
3:30 pm	Assessment of progress on Version 1.0 of NBIMS
3:55 pm	Next meetings: Wed., Dec 6, 2006 Final Presentation of Version 1.0 Wed., Jan 17, 2007
1:30 pm	Adjourn

### **Executive Committee Members:**

<input checked="" type="checkbox"/> Markku Allison AIA (Alt.)	<a href="mailto:MAllison@aia.org">MAllison@aia.org</a>
<input checked="" type="checkbox"/> Andy Fuhrman - OSCRE	<a href="mailto:andy.fuhrman@oscre.org">andy.fuhrman@oscre.org</a>
<input checked="" type="checkbox"/> Bill Brodt - NASA	<a href="mailto:wbrodt@nasa.gov">wbrodt@nasa.gov</a>
<input checked="" type="checkbox"/> Bob Bank – COE	<a href="mailto:Robert.Bank@hq02.usace.army.mil">Robert.Bank@hq02.usace.army.mil</a>
<input checked="" type="checkbox"/> David A. Jordani, FAIA – Process Integration	<a href="mailto:djordani@jordani.com">djordani@jordani.com</a>
<input checked="" type="checkbox"/> Steve Hagan – GSA	<a href="mailto:Stephen.hagan@gsa.gov">Stephen.hagan@gsa.gov</a>
<input checked="" type="checkbox"/> David Hammond - USCG	<a href="mailto:DHammond@comdt.uscg.mil">DHammond@comdt.uscg.mil</a>
<input checked="" type="checkbox"/> H. Michael Hill – CSI (Co-Rep)	<a href="mailto:mhill@tortigallas.com">mhill@tortigallas.com</a>
<input checked="" type="checkbox"/> Deke Smith – OSD – Chair	<a href="mailto:deke@dksic.net">deke@dksic.net</a>
<input checked="" type="checkbox"/> Earle Kennett - NIBS	<a href="mailto:ekennett@nibs.org">ekennett@nibs.org</a>
<input checked="" type="checkbox"/> Francois Grobler - IAI	<a href="mailto:f-grobler@cecer.army.mil">f-grobler@cecer.army.mil</a>
<input checked="" type="checkbox"/> Calvin Kam – GSA (Alt.)	<a href="mailto:calvin.kam@gsa.gov">calvin.kam@gsa.gov</a>
<input checked="" type="checkbox"/> Greg Ceton - CSI	<a href="mailto:GCeton@csinet.org">GCeton@csinet.org</a>
<input checked="" type="checkbox"/> Mark Reichardt – OGC	<a href="mailto:mreichardt@opengeospatial.org">mreichardt@opengeospatial.org</a>
<input checked="" type="checkbox"/> Ric Jackson - FIATECH- Fundraising	<a href="mailto:jackson@fiatech.org">jackson@fiatech.org</a>
<input checked="" type="checkbox"/> Thomas Gay - FM Global	<a href="mailto:thomas.gay@fmglobal.com">thomas.gay@fmglobal.com</a>
<input checked="" type="checkbox"/> Tony Rinella - AIA	<a href="mailto:tr@anshen.com">tr@anshen.com</a>

### **Task Team Chairs:**

<input checked="" type="checkbox"/> Scope	Dianne Davis - AEC Infosystems	<a href="mailto:D.Davis@AECinfosystems.com">D.Davis@AECinfosystems.com</a>
<input checked="" type="checkbox"/> Development	Bill East – COE	<a href="mailto:bill.w.east@erdc.usace.army.mil">bill.w.east@erdc.usace.army.mil</a>
<input checked="" type="checkbox"/> Testing	Patrick Suermann – UFL	<a href="mailto:suermann@ufl.edu">suermann@ufl.edu</a>
<input checked="" type="checkbox"/> Communication	Alan Edgar - GSI	<a href="mailto:aedgar@graphicsystems.biz">aedgar@graphicsystems.biz</a>
<input checked="" type="checkbox"/> Model	Richard See – Digital Alchemy	<a href="mailto:RichSee@digitalalchemypro.com">RichSee@digitalalchemypro.com</a>

### **Additional Attendees:**

<input checked="" type="checkbox"/> David Conover – ICC	<a href="mailto:DConover@iccsafe.org">DConover@iccsafe.org</a>
<input checked="" type="checkbox"/> Louis Hecht - OGC representing Mark Reichardt	<a href="mailto:lhecht@opengeospatial.org">lhecht@opengeospatial.org</a>
<input checked="" type="checkbox"/> John Cutonilli - Hughes Associates	<a href="mailto:jcutonilli@haifire.com">jcutonilli@haifire.com</a>
<input checked="" type="checkbox"/> Bob Carlsen – Woolpert	<a href="mailto:Bob.Carlsen@Woolpert.com">Bob.Carlsen@Woolpert.com</a>
<input checked="" type="checkbox"/> Louise A. Sabol - Design+Construction Strategies	<a href="mailto:lsabol@dcstrategies.net">lsabol@dcstrategies.net</a>

## **Action items:**

1. Identify chair for the Consensus Committee – Tabled until web site update
2. Review generic slide show – The generic slides are posted on the portal for those who have access and additional basic presentations on BIM and NBIMS are being developed and posted as draft currently
3. Review of initial drafts for sections – See below

## **Minutes**

### **Opening Comments – Deke Smith**

While the voice part of the meeting began at 9am the overall meeting got under way a bit late due to technical difficulties with the web aspect of the meeting. Our thanks to those who quickly set up a new gotomeeting site and got us back on track.

Deke went over the agenda and our goal to ensure that the NBIMS Version 1 was on track for completion by the end of December. Discussion of the details of that statement are covered later in these minutes.

He also discussed some of the events occurring during the buildingSMART week and referred folks to the write-up that had gone out related to those very successful events. Deke also mentioned the fact that education was still one of our highest priorities. A continuing education program at Purdue University for civil engineers was noted as a good model where people had a BIM 101 primer first to get everyone on the same page, this was followed by the details of NBIMS and the all day seminar was wrapped up by a practitioner explaining how they were doing BIM and the benefits they were receiving as well as how things could be better based on the work we were doing with NBIMS.

### **Fundraising – Ric Jackson**

Ric and Earle provide an update on the Charles Pankow project and the recent meeting in Dallas and the conference call on Monday. Work is progressing well on the project and will be used as a model for other similar efforts. Ric will use this as a model to go to other similar groups to encourage them to get their segments of the industry involved.

We will also continue our relationship with the buildingSMART effort as we need not only links with individual market segments, but also an overarching relationship with all the segments interested in facility information. Some organizations either later in the life-cycle or even outside the process who need facility information may be interested in ensuring that we succeed as it will make information more available for their needs.

Ric indicated in his report that he feels that we are now at the point where we have enough material to begin seriously seeking funding from outside organizations for our effort. He has been successful through FIATECH with issues related to ISO 15926 and will work to apply the same model to our efforts.

### **Scoping – Dianne Davis**

Dianne opened with a discussion of her recent presentation to the FIATECH meeting in Denver during the previous week. She reinforced Ric's comments about ISO 15926 and indicated her comfort level that we are continuing to converge those issues.

She also provided several poster sized documents related to work she had been working on related to IDM. One of these was a mind map linked to IDEF0 models. These will be provided in the NBIMS document. She also indicated that she had in hand the process information from

Orcott-Winslow and that she would be reviewing those and incorporating them into our effort.

She also discussed a working session that she recently had with Bill East, Tony Rinella, Jeffery Wix, Chuck Eastman and others related to the scoping issue.

## **Development – Bill East**

Bill walked through his attached report and discussed positive progress with COBIE. There was some discussion as to how the product will relate to other efforts and he indicated that since this was a standard other organizations and agencies may have additional requirements which can be accommodated without impacting the structural integrity of the COBIE standard.

Bill discussed service oriented architecture as a tool that is emerging to help resolve the problem currently in COBIE of having to enter by hand some of the information needed by the model such as serial numbers. At some point that information will be available electronically, but not yet because we do not have all the system-to-system links.

Bill mentioned that he thought pilot testing was a key aspect of our effort and we discussed that issue and Patrick will take it under the consideration of the testing team. Patrick nominated David Scheer from the University of Utah to serve as a liaison to the Development Team and he accepted during the meeting.

Bill also indicated concern that the fact sheet that they have developed has not yet been posted to the web site. This item will be passed to Alan and the communications task team for action.

Bill walked through the remaining items in his report.

## **Testing – Pat Suermann**

Patrick's report is provided as an enclosure to the minutes. He is working on section 6.0 of the NBIMS and discussed some of the items included. Testing is becoming more complex as there are multiple facets to it. We have to test the individual Information Delivery Manuals (IDMs) along with having an overall test of the BIM standard (see pilot testing discussion above in the Development Team section). Certification of a BIM was discussed, however there is still a lot more discussion on this issue before a decision was made. We need to be able to ensure that an IDM does what it says it will, but we also need to ensure that the model is of a quality that analysis can be preformed, such as code checking. We also need to provide some confidence to an owner that the model he is receiving is complete for the purposes desired. Pilot testing was also discussed at length as a way of accomplishing some of this capability.

Patrick also recommended the Green Building Council's business model (web site with charges for certification, accreditation, instructional manuals, and a free site running off of Sequel Server or an Adobe lifecycle process for tracking certification both for applicants and for data mining by the USGBC) to use as a good example of what we might want to look like after the NBIMS is released. I will pass that onto Alan and our web designer. Also, Patrick included an estimate on some of the functionality to make this a reality, thanks to Don Sanborn of Unique Solutions, Inc.

Dianne also recommended a conference call related to the capability maturity model in order to step through each section and fine tune it. This will set up as soon as possible.

There was also some discussion related to surveys as data collection instruments and several packages were mentioned including PHPSurvey, Boomerang, and SurveyMonkey. It is felt that we are going to need better input from the industry as we move forward and these tools will help with that goal. Patrick will work with Michael Tardiff and Alan Edgar on this point.

Finally, Patrick noted that he is posting his research under the Testing Team information folder on the portal. A BIM Law paper by fellow grad student, Edwin Perkins, was discussed and forwarded to Dave Jordani and Bob Bank for review and possible inclusion or consumption in the NBIMS. More work will be coordinated with Dennis Shelton, as well.

## **Business Process Integration – David Jordani**

Dave Jordani happened to be on a plane at the time of the meeting but joined us at the end of the meeting. His report however is attached. We did discuss the fact that he had a very successful organizational meeting of his group with fifteen attendees which is reported in the attached document. Dennis Shelton reported on the efforts of his Contracts, Risks & Liabilities working group.

## **Communications – Alan Edgar**

The communications team presentation was not available this meeting since Alan was on travel to Dubai. He and I did have a phone conference earlier in which we developed a process map for the web site to allow people to sign up more easily and to join the consensus committee. We are also looking at the new NCS site used for voting the ballot items for the new version of NCS and will likely adopt that site format for our effort.

## **Model Task Team – Richard See**

Richard discussed his plans for this proposed new task team and it was felt that this would be a valuable aspect of the NBIMS effort. He will discuss his plans with the development and scoping task teams and begin to formalize this new task team.

Security was discussed and identified as a critical factor in the success of BIM. It was noted that there are many other industries that have dealt with this issue from banking to personnel and others. It was noted that most likely a model server environment would be required as that will be the best way to manage access to information. Current file based approaches are not inherently as secure and this may be another impediment to the flow of information between various parties. The whole issue of authoritative source was discussed and identified as a key aspect to the solution of this issue.

There is certainly a concern in the industry about intellectual property rights, but as indicated before that is an issue that plagues many industries, which has been worked through. These are all critical issues that must be discussed and Richard's group will take these and other related issues on.

## **Open Forum – Deke Smith**

There were not too many people who joined us for the open forum, so we just had some open discussion and others joined in. We will continue to hold this forum so that people in the community of interest will have a direct voice to the Executive Committee on approximately a monthly basis.

## **NBIMS Version 1 – Deke Smith**

I have heard from all twenty-two of the authors and am confident that all are on schedule to complete their sections of the document on time. The assembly and editing process will still be a challenge however but NIBS will provide a professional editor to help with that task. The current plan is to have sections complete by December 1<sup>st</sup> and use the bulk of the month of December to assemble and edit the document. The goal remains to have the final draft out for comment on December 31<sup>st</sup>. We will likely post that to the listserv so that everyone will have a copy for review. A comment period will follow till January 15<sup>th</sup>. Then we will go to consensus after the comments have been incorporated.

It was suggested that we add a forward to discuss the specifics of what things will need to be accomplished to allow us to have a true standard. In some cases products are due in the first three months of 2007 however other issues are still just being discovered. We don't want to put off the issuance of Version 1 as it will still be of significant value to the industry in moving BIM forward. An example is that we can state that the desired standard will be OmniClass Table 21-Elements which is equivalent to Uniformat, however there are two versions of Uniformat that are being coordinated to become the Elements table in OmniClass. So while we have a clear path to a standard, we can not at this point definitively say that OmniClass Table 21 is the standard.

## **Closing – Deke Smith**

It was noted that the next meeting will be in conjunction with the AEC-ST on December 6<sup>th</sup>. The meeting after that on January 17<sup>th</sup> will be finalizing the NBIMS Version 1.0 and reviewing the comments we get in from the review period.

Bill Brodt mentioned the RCM Workbench developed with NASA funds through a NIBS contract which could be used for training/collaboration.

The meeting was adjourned at approximately 1:30 as the work of the meeting had been completed.