

Executive Committee Meeting Agenda & Minutes

Wednesday May 3rd, 2006 - 9:00am – 4:00pm

Meeting held at NIBS Headquarters in the Main Conference Room –
1090 Vermont Avenue, NW, Suite 700 | Washington, DC 20005-4905

9:00 am	Opening Comments – Chair, Deke Smith
9:30 am	Fundraising Task Team Report – Ric Jackson Status, Milestones & Discussion
10:30 am	Scoping Task Team Report – Dianne Davis Status, Milestones & Discussion
11:30 am	Development Task Team Report – Bill East Status, Milestones & Discussion
12:30 Lunch	Continued discussions - Presentations
1:00 pm	Communications Task Team Report – Alan Edgar Status, Milestones & Discussion
2:00 pm	Testing Task Team Report – George Percivall Status, Milestones & Discussion
3:00 pm	Planning Session / Workshop
3:45 pm	Next meetings: Wed., Jun 14, 2006 Wed., Jul 19, 2006 Wed., Aug 23, 2006 Wed., Sep 12, 2006
4:00 pm	Adjourn

Executive Committee Members:

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✘ Bill Brodt - NASA	wbrodt@nasa.gov
✘ Bob Bank - COE (Alt for MK)	Robert.Bank@hq02.usace.army.mil
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✘ David Hammond - USCG	DHammond@comdt.uscg.mil
✓ Deke Smith – OSD - Chair	deke@dksic.net
✓ Earle Kennett - NIBS	ekennett@nibs.org
☎ Francois Grobler - IAI	f-grobler@cecer.army.mil
✓ Greg Ceton - CSI	GCeton@csinet.org
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✘ MK Miles - COE	Moody.K.Miles@hq02.usace.army.mil
✓ Ric Jackson - FIATECH- Fundraising	jackson@fiatech.org
✓ Thomas Gay - FM Global	thomas.gay@fmglobal.com
☎ Tony Rinella - AIA	tr@anshen.com

Task Team Chairs:

✓ Scope	Dianne Davis - AEC Infosystems	D.Davis@AECinfosystems.com
✓ Development	Bill East – COE	bill.w.east@erdc.usace.army.mil
✓ Testing	George Percivall - OGC	gpercivall@opengeospatial.org
✓ Communication	Alan Edgar - GSI	aedgar@graphicsystems.biz

Minutes

Chairman, Deke Smith Opened the meeting at 9:15 following some technical difficulties in getting web access initiated.

Opening comments were brief and related to ongoing efforts by other related groups noted later in the minutes and also concerning posting of information to the portal prior to the meeting. It appears that having a common point that everyone can post the information to was part of the problem. This was corrected immediately by Mark during the meeting.

There was also discussion concerning what should be included on the NIBS web site in the future. Since much of the committee work is in an early draft phase it was felt that the majority of the information would be posted to the portal. The information ready for public consumption including the minutes would be shared on the NIBS web site. It was also noted that the NIBS web site would be undergoing a face lift in the very near future. The reports of the task teams prepared for this meeting would still be provided on the NIBS web site.

There were some adjustments made to the order of the agenda in order to accommodate a few people having to leave early.

Fundraising Task Team

Ric Jackson led off the fundraising task team report indicating that things were moving ahead and an overall approach had emerged. Alan Edgar was supporting the team by drafting a funding prospectus following the format provided in Ric's attached report. The prospectus will be provided to those interested in contributing resources to the NBIMS effort. These resources can be dollars or in-kind contributions.

Earle Kennett and Ric Jackson then discussed the first contribution to our effort which was from the Charles Pankow Foundation which will be for development of the standard information interfaces in the area of pre-cast concrete. This will be an important event and be used as a pilot for other similar events to follow. It is also intended to develop a template for other organizations to develop Information Delivery Manual (IDM's) for their areas of interest using this template.

From one of the IFC web sites the components of the IDM are identified as:

- Process maps that describe the evolution of information for key topics throughout the project lifecycle.
- Each process map identifies the requirements for information exchange and the roles within the project from which the information is received or to which it is provided.
- Each requirement for information exchange is described individually in the IDM.
- Each description is in two parts, the first targeted at the BIM user and the second at the BIM solution provider.
- For the BIM user, information is described in non-technical terms that do not need knowledge of the IFC schema.
- For BIM solution providers, descriptions break down the IFC schema into reusable "functional parts" (commonly occurring sets of data that may be used by any number of processes).

This effort will be able to "exercise" all the task teams. The foundation has also agreed to funding an economic analysis of the benefits of using a standard and the IFC's. This will be very valuable as we move forward. The project is scheduled to be initiated in July and will be ready to be delivered as part of the standard in December, although testing will take more time. Tony Rinella indicated that this would be a valuable project as the AIA Large Firm Round Table is looking for tangible results, a roadmap and timeline before it fully supports our efforts. Mark Reichardt agreed that tangible results were needed. Andy Furman indicated that ROI's are already emerging that indicate that BIM is the right way to go even without a standard, however that there are problems implementing without a standard. Bill East indicated that Mark Palmer was working on the follow-on document to the "Capital Project Handover Guide" which is a Part 2 which includes several case studies. Deke Smith then added that additional case studies were needed for that document if anyone had any. We will continue to work with NIST in documenting BIM

capabilities as several of the committee members are involved with the NIST effort.

It was requested that each member of the committee provide talking points to Alan by the end of the week following the funding prospectus format indicating “what BIM means to me” and “what would make a difference” so that those thoughts could be included in the prospectus and as possible quotes.

Scoping Task Team

Dianne Davis next provided a presentation and discussed of the significant activities of the Scoping Task Team. Things are starting to come together very nicely as they now have a standards based matrix on which to populate the existing IDM's. This will identify current information exchange strengths and potential gaps for the development and fundraising teams to work to fill.

Deke noted that the matrix is construction industry focused at the moment and that perhaps a companion chart connected to this chart should be developed to identify other beneficiaries of the information such as first responders, space managers, etc.

Dianne indicated that they hoped to have the chart populated by May 9th. The goal is to have this reviewed by everyone on the committee by the end of the month along with identifying the low hanging fruit to include in the first release of the standard. They are working on the criteria, business cases and priorities to determine what to include in the first version of the NBIMS. The example of the Pre-Cast effort was identified as a mitigating factor to including an area earlier in the standards development process where funding existed to move it forward. It is hoped that others will come forward with the same level of interest to also move their area of interest forward.

It was noted that this matrix and the associated IDM's will become part of the contract language as the specification for the exchange of information. It is estimate that some 50 standard exchanges will be needed to have the NBIMS be fully capable and we are closing in on about 20 currently. All the final IDM's will be stored in a central place, on the NIBS web site as part of the standard for all to access at no cost as part of the open standard. Initially we will keep them on the portal during development.

The team seems to have about 8-10 active members meeting via phone conference every Tuesday. We do need more participation from the HVAC, Electric and LEED community and will be seeking members in those areas.

This exercise was also a great example of how the teams are working together as significant communications between all groups is occurring in order to bring this to fruition. Currently there is a significantly high level of excitement about being able to deliver a very high quality product on time.

Communications Task Team

Alan Edgar provided a presentation on the efforts of the communication team. As indicated earlier he is working with the fundraising team on the prospectus. All efforts are working toward coming up with a good story for all the technical work that is going on that people will be able to understand. Several slides were presented that created a lot of discussion. Members were asked to forward their comments to Alan to help improve our message. Alan also provided a presentation from the American Drafting Association that included BIM slides that had been worked on by the committee. The message is improving significantly and progress is being made. These are difficult concepts to boil down. As we have come to expect, Alan provided some new ideas and posed new questions for the group to deal with and some progress was made.

Those presentations along with his report will be posted, your comments are solicited. Please provide to Alan as soon as possible as product is being developed on a continual basis.

It was requested that some of the good articles about the NBIMS and BIM be posted on the portal as a compendium and reference file for all of us to draw on as we attempt to explain our efforts and the goals of BIM in general.

It was also noted that initial distribution may be on paper then will progress to printed brochures as funding becomes available.

Alan did indicate that he was in search for some additional active participants on the task team to continue development work. The work load will continue to increase as more information needs to be distributed.

Development Task Team

Bill East was next on the docket and he presented his report which laid out the teams objectives, approach, current projects, planned projects, external coordination, conclusions and recommendations for the committee. His report is provided as an attachment.

The efforts of the Development team are progressing well and focused on working with the scoping team as well as getting the word out on several projects that Bill East's CERL team are working on which will dovetail with the work of the standard.

Bill indicated that both reference and implementation standards are products of the team. He further indicated that these standards will be prescriptive in nature. He reiterated that IFC's are the basis for all work being done by the development team.

The COBIE project is on schedule for delivery this summer in plenty of time for inclusion in the consensus process. It should be noted that the COBIE team has meetings planned for May 24th and July 5th at NIBS. Both meetings start at 8:45am and will be supported with WebEx. A draft construction specification will be provided at the May 24th meeting. COBIE will also be demonstrating the ifcXML translation between electronic product catalogues and contractor purchasing systems.

Code Checker and the Preliminary Design package are the other two projects being worked on through CERL.

Bill noted that synthesis of all standards into a homogenous single standard is not the goal of our effort. We will work to translate between the various excellent efforts that are currently being developed. We will also work with the standards efforts to coordinate. One such example is the OmniClass effort. As we move forward they are gleaning information from our experiences to improve their product. We are currently actively working with NIST, FIATECH, MIMOSA, GSA and of course IAI.

Bill indicated that a lexicon is needed in order to allow translation between standards. There are some efforts under way in this area in Europe as well as in CSI.

Several recommendations were made and are detailed in the attached report:

- Develop a Lexicon project – Greg Ceton will elaborate on CSI effort
- Communications team provide short informational presentation on the NIBS web site about the NBIMS and the task team work – Alan Edger for action
- ExCom significant participation in IAI Industry day – Approved
- ExCom request GSA participation in Preliminary Design project – Deke for action
- Estimate approximately \$75K for development of each standard with additional funds for testing and specification development – Fundraising task team for inclusion in cost estimate
- Project to develop templates for IDM – This will be accomplished by Pre-Cast Project

Testing Task Team

Last but certainly not least George Percivall provided a presentation on the efforts of the Testing Team. His presentation is attached. He too went over the overall goals and approach of the committee and went into specifics on the OWS 4 effort. The RFQ for this standard to interchange information between CAD and GIS was released April 11th. The proposals are due May 5th. There will be a kick-off meeting in Reston, VA June 13th -16th and the next Executive Committee will be built around that event. There will then be a six month development period with demonstrations occurring December 11th -15th. Our consensus process will be wrapped into the process so that upon completion of the testing we will be able to include the results in the standard. More to come on that subject in the near future. George also noted that sponsors are still needed to support this effort. It is important that multiple organizations support the testing effort so that the costs are not all born by the vendors. Otherwise only the large vendors will be able to afford to participate. In the future portions of our fundraising will be oriented toward supporting the testing phase so that all vendors can participate and will assure ourselves of a truly pen standard.

Closing

Deke Smith then provided a brief presentation on the DoD Business Enterprise Architecture which highlighted some of the lessons learned in putting together a high level architecture. Many of the items resolved in the DoD effort are issues that we are starting to face in the NBIMS effort and it is hoped that many of the lessons learned in that effort can be used by us as we move forward.

Planning for IAI Industry Day and AEC-ST will also kick into high gear before our next executive committee meeting.

Currently the next executive committee meetings are scheduled for:

- Wed., Jun 14, 2006
- Wed., Jul 19, 2006
- Wed., Aug 23, 2006
- Wed., Sep 12, 2006

The chairman is currently working to determine the number of people able to attend the next couple of meetings given we are not only in convention season, but also individual vacations will start to kick in soon. It is felt that the monthly meetings must be continued in order to communicate progress to all parties even if they can't be in attendance.

Being no further committee business the meeting was adjourned at approximately 2:30 for individual discussions with each other and NIBS staff.