

# March 2009 NFMT COBIE Challenge

Meeting 3 Notes - 20-Jan-09

Meeting scheduled every Tuesday up to and including 03-Mar-09.

**Meetings begin 5 minutes past the hour to reduce repetition for those arriving on time.**

**Please mute your phone when not speaking to enhance meeting audio quality.**

Connection information to the WebEx and phone are provided below:

#### AUDIO CONFERENCE ACCESS INFORMATION:

- \* USA Toll-Free: (888)422-7128
- \* USA Caller Paid/International Toll: (334)262-0740
- \* PARTICIPANT CODE: 134218

#### WEB MEETING ACCESS INFORMATION:

- \* Web Meeting Address: <https://www.webmeeting.att.com>
- \* Meeting Number(s): (888)422-7128 (OR) (334)262-0740
- \* PARTICIPANT CODE: 134218

The current list of scheduled events for the NFMT Conference is:

<b>Date</b>	<b>Time</b>	<b>Subject</b>
Tues., Mar 10 <sup>th</sup>	9AM-10AM	buildingSMART Alliance (Deke Smith)
	10AM-11AM	COBIE Overview Session (Bill East)
	1PM- 3PM	FMOC meeting (Bill Brodt)
Wed., 11 <sup>th</sup>	9AM-11AM	COBIE Challenge (Vendor Presentations)
	3PM- 4PM	WBDG (Earle Kennent)

**NOTE: ITEMS IN THE FOLLOWING NOTES/AGENDA IN BOLD ARE ITEMS THAT HAVE SOME NEW ACTION/UPDATE**

## 1. Attendees:

Present (Total)	Name	Representing	Email
	Steve Segarra	Archibus	<a href="mailto:steve_segarra@archibus.com">steve_segarra@archibus.com</a>
<b>X</b>	Brad Peterson	Archibus	<a href="mailto:brad_peterson@archibus.com">brad_peterson@archibus.com</a>
<b>(1)</b>	John Sullivan	AutoDesk	<a href="mailto:john.sullivan@autodesk.com">john.sullivan@autodesk.com</a>
<b>X</b>	Charlie Testut	EPAC Software	<a href="mailto:ctestut@epacst.com">ctestut@epacst.com</a>
<b>(1)</b>	Gary Hollis	FMSystems	<a href="mailto:ghollis@fmsystems.com">ghollis@fmsystems.com</a>
	M Chobot	FMSystems	<a href="mailto:mchobot@fmsystems.com">mchobot@fmsystems.com</a>
	Gary Gray	IBM	<a href="mailto:garygray@us.ibm.com">garygray@us.ibm.com</a>
	Ron Lanzo	IBM	<a href="mailto:ron.lanzo@us.ibm.com">ron.lanzo@us.ibm.com</a>
	Kim Woodbury	IBM	<a href="mailto:kwoodbur@us.ibm.com">kwoodbur@us.ibm.com</a>
<b>X</b>	David Turner	IBM	<a href="mailto:david.turner@us.ibm.com">david.turner@us.ibm.com</a>
	Karen Roller	MicroMain	<a href="mailto:karenr@micromain.com">karenr@micromain.com</a>
<b>X</b>	Dee Gardner	MicroMain	<a href="mailto:deeg@micormain.com">deeg@micormain.com</a>
<b>(2)</b>	John Hickson	MicroMain	<a href="mailto:johnh@micromain.com">johnh@micromain.com</a>
	Kimon Onuma	OPS	<a href="mailto:ko@onuma.com">ko@onuma.com</a>
<b>X (1)</b>	Thomas Dalbert	OPS	<a href="mailto:dalbert@onuma.com">dalbert@onuma.com</a>
<b>X (2)</b>	Igor Starkov	Tokmo	<a href="mailto:istarkov@tokmo.com">istarkov@tokmo.com</a>
<b>(1)</b>	Gary Cox	TMA Systems	<a href="mailto:gary.cox@tmasystems.com">gary.cox@tmasystems.com</a>
<b>X (2)</b>	Kerry Joels	TMA Systems	<a href="mailto:kerry.ioels@tmasystems.com">kerry.ioels@tmasystems.com</a>
<b>(1)</b>	Mike Koenig	TMA Systems	<a href="mailto:mike.koenig@tmasystems.com">mike.koenig@tmasystems.com</a>
<b>(1)</b>	Louis Pino	TMA Systems	<a href="mailto:luis.pino@tmasystems.com">luis.pino@tmasystems.com</a>
	Ross Powell	TMA Systems	<a href="mailto:ross.powell@tmasystems.com">ross.powell@tmasystems.com</a>
<b>(1)</b>	Mitch Boryslawski	ViewByView	<a href="mailto:mitch@viewbyview.com">mitch@viewbyview.com</a>
<b>(1)</b>	John Przybyla	Wolpert	<a href="mailto:john.przybyla@wolpert.com">john.przybyla@wolpert.com</a>
<b>X (2)</b>	Bill East	ERDC-IL	<a href="mailto:bill.east@us.army.mil">bill.east@us.army.mil</a>
<b>(2)</b>	Bill Brodt	NASA	<a href="mailto:wbrodt@nasa.gov">wbrodt@nasa.gov</a>

## 2. COBIE Challenge overview

- a. [http://www.buildingsmartalliance.org/news/nmft\\_cobie\\_2009.php](http://www.buildingsmartalliance.org/news/nmft_cobie_2009.php)
- b. There is no requirement to have a booth at the conference to participate in the 11 Mar 09, COBIE Challenge presentation.

## 3. Information about COBIE

- a. <http://www.wbdg.org/resources/cobie.php>

b. <http://www.buildingsmartalliance.org/projects/cobie.php>

4. What is expected at the COBIE Challenge:

a. Use of the IFC-BIM Forum to post and exchange files with additional copy direct (via email) to Bill East.

<http://www.buildersnet.org/IFC-BIM/>

Credentials for all IFC-BIM Private Forum users listed above were created, distributed, and tested week of 13-Jan-09

b. Vendors should determine their level of participation within the next several weeks. Vendors should state what level of COBIE data (i.e. phase) will be supported no later than the 10 Feb 09 conference call.

**Note that bolded items below were sent with meeting 2 notes. Since not all participants may have reviewed these notes, this topic will be covered again during meeting 3.**

i. Phase 1 – pre-built design and equipment

**Worksheets Included:**

**01-Contact**

**02-Facility**

**03-Floor**

**04-Space**

**05-System**

**06-Register**

**07-Component**

ii. phase 2 – installation, warranty, parts providers

**Worksheets include (all those above) and:**

**14-Installation**

**15-Manual**

**16-Warranty**

**17-Spare**

The requirement (if not completing phase 4) for “DocumentIDList” may be set to “n/a” for the purposes of the March 2009 COBIE Challenge.

One 14-Installation Record required for each 07-Component record.

One 15-Manual Record required for each "Operations and Maintenance" Register Type 06-Register record.

One 16-Warranty Record required for each "Warranty Documents" Register Type 06-Register record.

One 17-Spare Record required for each "Operations and Maintenance" Register Type 06-Register record.

iii. phase 3 – commissioning information  
**Worksheets include (all those above) and:**

**18-Instructions**

**19-Test**

**20-Certification**

One 18-Instructions Record required for each "Manufacturer Instructions" Register Type 06-Register record.

One 19-Test Record required for each "Test Reports" Register Type 06-Register record.

One 20-Certification Record required for each "Certificates" Register Type 06-Register record.

**And Worksheets include (all those above) and resources required for job plans:**

**21-Material**

**22-Tool**

**23-Training**

**And Worksheets include (all those above) and job plan worksheets that can reference associated resources and 06-Register:**

**24-PM**

**25-Safety**

**26-Trouble**

**27-Start-Up**

**28-Shut-Down**

**29-Emergency**

There must be a "representatives" set of "appropriate" PM's for each "Closeout Submittal" Type 06-Register Record. Note that the list of items to be accomplished may be either a single type of work/service order or

the detailed job breakdown to simulate that which may eventually be provided by the manufacturer.

- iv. phase 4 – submittal information (full set of construction data)

**Worksheets include (all those above) and:**

**11-Document**

Performance on phase 4 will have a complete set of simulated manufacturer documents. These documents will be linked to the appropriate DocumentIDList found on worksheets above. Note that it is today's common practice that one document from manufacturers that currently contain multiple kinds of information. Note that through COBIE we are working with mfg associations to decompose the current large set of data into smaller sets of "computable" information.

**Current vendor company demonstration commitments:**

**Phase 2. (design and installation)**

**Tokmo**

**Phase 3. (design, installation, and commissioning)**

**TMA Systems**

- c. 7 slide maximum, 5 minute (firm) presentation during COBIE "Challenge" session to introduce demonstration. Additional comments may be made about the products being demoed during file load times.
- d. NFMT Program stage provided for demos. All vendors at front of room and control of projector switched to each in turn. Bill East to provide intro at start and summary of challenge results at end of session.
- e. Capture of live demonstration in power point format for later distribution. To be provided to Bill East prior to the last scheduled conference call, 3 Mar 09.
- f. Prepare "quick guide" type documentation about how to implement. To be provided to Bill East prior to the last scheduled conference call, 3 Mar 09.
- g. Booth-side live demonstration of users importing COBIE data. May be done at vendor's discretion following meeting
- h. Contacts for implementation consulting services COBIE. The appropriate contact(s) to be provided to Bill East prior to the last scheduled conference call, 3 Mar 09.

- i. Flyer to customers announcing support for COBIE
  - j. Flyer to other “sales staff” to avoid the “what’s COBIE question?”
  - k. Agreement that all data sets, presentations, and information used during the Challenge will be publicly released on buildingSMART Alliance site following the demonstration.
5. What support will Bill Brodt and Bill East will provide
- a. Discussion of organization of COBIE data set (see attached figure 1) and related mapping questions to ensure as complete as possible importing of COBIE data into CMMS/CAFM (and upstream) systems.
  - b. The description of COBIE spreadsheet as it relates to design data may be helpful for those new to COBIE:  
  
[http://www.wbdg.org/pdfs/cobie\\_designerside.pdf](http://www.wbdg.org/pdfs/cobie_designerside.pdf)
  - c. Sample “phase 1 – pre-built design and equipment” files containing designer side information either in IFC or spreadsheet format from the July 2008 Demo will be used for the demo. Use of either IFC or spreadsheet files is allowed. There is no additional require added to those design software firms participating in the July 2008 COBIE Demo. The files may be found under the individual vendors’ products links.  
  
<http://www.buildingsmartalliance.org/projects/cobie.php>
- At a minimum the Railyard Maintenance project will be used as a test of Phase 1 implementation. The file to be used can be found on the IFC BIM FORUM > May 2009 COBIE Challenge > Sample Projects thread.**
- d. We will assist in talking with technical staff to create sample files w/contractor data sets. Data sets should be pre-approved no later than 10 Feb 09 to allow us to check the files for accuracy before you use them.
    - i. phase 2 – installation, warranty, parts providers
    - ii. phase 3 – commissioning information
    - iii. phase 4 – submittal information

**TMA will provide a data set for Phase 2 and Phase 3 that can be used as a sample data set for the demonstration. Draft ready to be submitted Friday,**

- e. Evaluation/publication of demonstration performance
  - i. To allow manual evaluation and publication of sample files used for the demo, all files being used should be submitted to the IFC-BIM Forum by midnight 5 March 2009.
  - ii. Vendors should state what level of COBIE data (i.e. phase) will be supported no later than the 10 Feb 09 conference call.
  - iii. verification that import of each piece of data imported arrived at correct location
  - iv. full public disclosure of the demonstration will be required to receive any evaluation

6. What support we may be able to provide but will not promise.

A file checking program that will automatically evaluate the consistency of the data provided in the extended sample spreadsheets.

7. What support we can not provide

- a. Evaluation of sample files the night before the demo
- b. Consulting with new team members the week before the demo
- c. Background explanation of IFC or related topics

8. Discussion

- a. CMMS vendor evaluation procedure. The following items were discussed during the meeting as the specific requirements for CMMS/CAFM and construction-oriented vendors participating in the COBIE Challenge:
  - i. The type of information supported by the vendors overall product and the type of information imported or exported from the vendors' product (based on the COBIE phases listed previously)

- ii. A letter from the vendor stating that they have implemented COBIE in accordance with the level of import or export (as noted above)
  - iii. The data set used to demonstrate the COBIE import into CMMS/CAFM vendor software. The final data set used for the demos will be selected from those data sets provided by the vendors for demonstration purposes.
  - iv. A brief vendor document identifying any set-up instructions needed to import and/or export COBIE data. This document should include telephone support line to assist the vendors' users.
  - v. A power point presentation showing explicitly where data within COBIE file appears within the CMMS/CAFM (or other) system following the import process.
  - vi. During the demonstration, vendors will be provided one of the approved sample files and asked to import the file live before the audience. During the file uploading time vendors may discuss the value of the COBIE process to their customers and how their product makes the best use of the data provided upstream by the contractor.
- b. The best situation would be for real project data to be used for the demonstration. The timing of the meeting is a bit off since the specifications requiring COBIE are just now appearing in design contracts. The effort being undertaken by the COBIE Challenge is (1) in preparation of when that data begins to appear at the conclusion of construction and (2) a motivational tool to give facility managers the confidence to begin to mandate the delivery of COBIE data.

9. Other topics:

**(a) Bill East contacted following companies to ensure that they were aware:**

- i. **ProjectBlueprint**
- ii. **Graphisoft (Nemetschek)**
- iii. **Vectorworks (Nemetschek)**
- iv. **AEC Info Systems**
- v. **Digital Alchemy Pro**

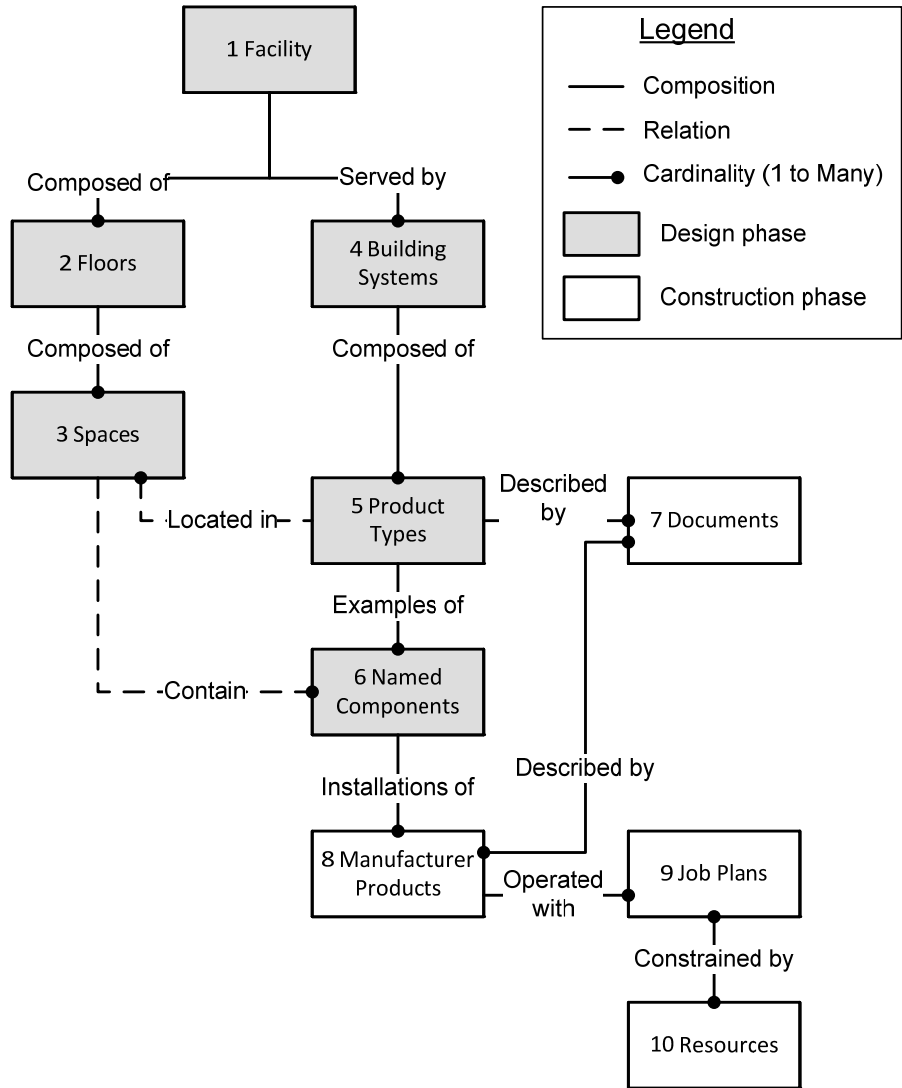
**(b) Bill Brodt will contact Wendy to find out how users can sign-up to attend the challenge.**

- i. **Is there a current status? How many users have signed up.**

**(c) Participants should let their client-base know that they will be attending and working on the challenge.**

**i. Request copy of each company's press release/correspondence**

- **Bill East will post the PDF files for the Railyard project.**
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