

March 2009 NFMT COBIE Challenge

Meeting 7 Notes – 24-Feb-09

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

This is the next to last conference call prior to the challenge

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:

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

1. Attendees:

Today	Total	Name	Representing	Email
		Steve Segarra	Archibus	steve_segarra@archibus.com
	1	Brad Peterson	Archibus	brad_peterson@archibus.com
1		Kimberly Price	Archibus	Kimberly_price@archibus.com
	1	John Sullivan	AutoDesk	john.sullivan@autodesk.com
	1	Charlie Testut	EPAC Software	ctestut@epacst.com
	1	Craig Alsheimer	CFI	calsheimer@gocfi.com
	1	Gary Hollis	FMSystems	ghollis@fmsystems.com
		M Chobot	FMSystems	mchobot@fmsystems.com
		Gary Gray	IBM	garygray@us.ibm.com
		Ron Lanzo	IBM	ron.lanzo@us.ibm.com
		Kim Woodbury	IBM	kwoodbur@us.ibm.com
	1	David Turner	IBM	david.turner@us.ibm.com
1	1	Monte Chapin	GraphiSoft	mchapin@graphisoft.com
		Karen Roller	MicroMain	karenr@micromain.com
1	4	Dee Gardner	MicroMain	deeg@micromain.com
1	6	John Hickson	MicroMain	johnh@micromain.com
1	2	Kimon Onuma	OPS	ko@onuma.com
1	4	Thomas Dalbert	OPS	dalbert@onuma.com
1	5	Igor Starkov	Tokmo	istarkov@tokmo.com
	5	Gary Cox	TMA Systems	gary.cox@tmasystems.com
	5	Kerry Joels	TMA Systems	kerry.joels@tmasystems.com
	1	Mike Koenig	TMA Systems	mike.koenig@tmasystems.com
	1	Louis Pino	TMA Systems	luis.pino@tmasystems.com
	4	Ross Powell	TMA Systems	ross.powell@tmasystems.com
	1	Mitch Boryslawski	ViewByView	mitch@viewbyview.com
	2	John Przybyla	Woolpert	john.przybyla@woolpert.com
x	6	Bill East	ERDC-IL	bill.east@us.army.mil
	1	Dave Johnson	ERDC-ITL	david.m.johnson1@us.army.mil
	4	Bill Brodt	NASA	wbrodt@nasa.gov

2. COBIE Challenge overview

- a. 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.

- 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 demonstration commitments:

Phase 1. (design)

OPS

ArchiCAD

Phase 2. (design and installation)

Tokmo

OPS

MicroMain

Archibus (possible)

Phase 3. (design, installation, and commissioning)

TMASystems

- 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. Press release provided by Tokmo and TMA and posted on COBIE Challenge page.**
 - 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
 - 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. ERDC will coordinate the creation of at least one sample files w/contractor data sets. **No other data sets will now be allowed for use in this challenge. Deadline was 10 Feb 09.**
- i. phase 2 – installation, warranty, parts providers
 - ii. phase 3 – commissioning information
 - iii. phase 4 – submittal information

An updated Maintenance Building project (v07) containing construction (Phase 2) and commissioning (phase 3) and document (Phase 4) information has been posted on the IFC BIM FORUM > May 2009 COBIE Challenge > Sample Projects thread.

- 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. Evaluation procedures

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.

The sample file used during the demonstration will be a modification of the design, construction, and commissioning data set with some information slightly changed to ensure that a live result has been demonstrated. The change will be a textural change to one or two of the existing fields and the addition of one or two records.

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. NMFT Challenge signup. Bill Brodt will contact conference organizers to determine how they plan to encourage attendee participation and provision of follow-up contact information.

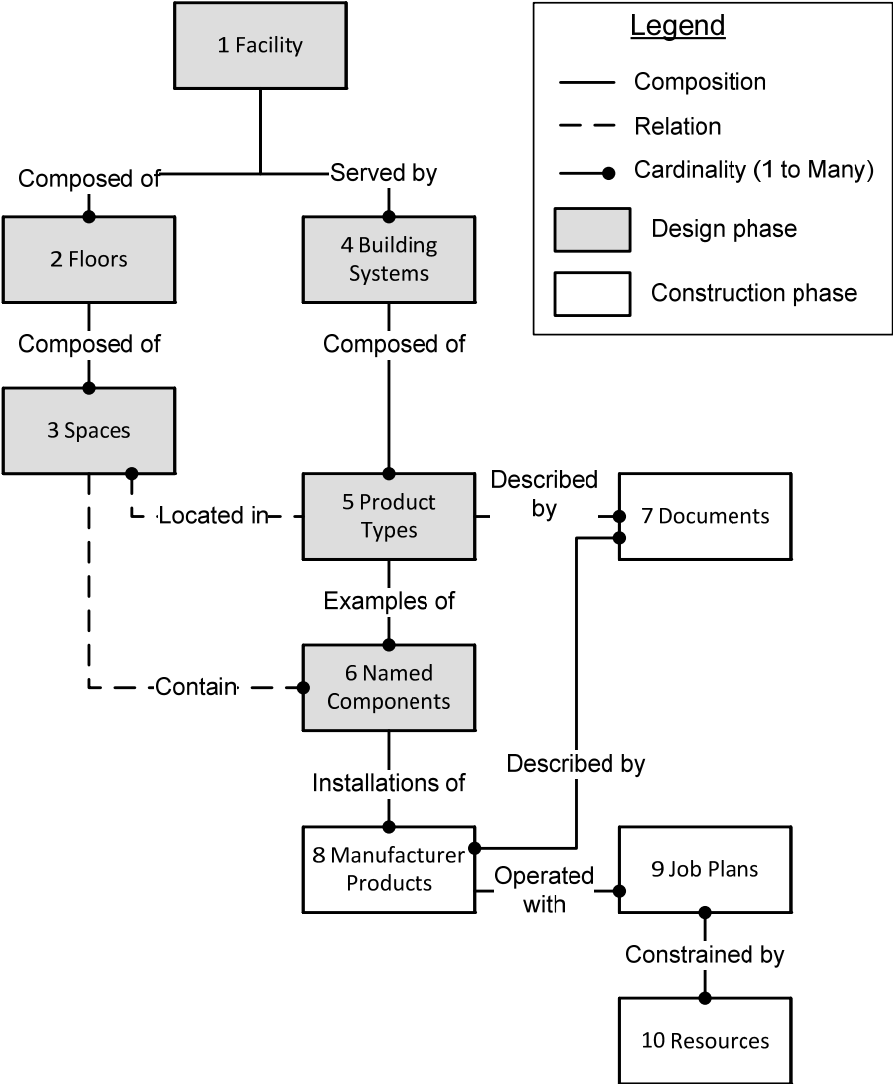
10. Design drawings are available upon request to Bill East. The following conditions apply:

- a. The single PDF file is large and requires that the recipient have an FTP site to which the file can be delivered. The recipient must remove the file from the FTP server immediately upon download of the file. **Drawings provided to Tokmo upon request. TMA ftp server could not be accessed.**
- b. The specific name of the designer, consultants, or any other business contact information may not be used in any extracted data (even temporary working data)
- c. The exact name and location of the project, as noted on the drawings may not be used in any extracted data (even temporary working data)
- d. The design files may only be redistributed to those on the mailing list noted above.
- e. The design files must be deleted following the demonstration from all hard drives. The person receiving these files must provide an email saying that they have verified the removal of all files (including deletion from recycle bins, and backup media)

11. Meeting Q&A

- a. Nesting spaces. Nested spaces have been removed in file version 07
- b. Component tab. Components have to be named. Look at rows starting at 74 removed. Fixed in file version 06.
- c. Component tab. Unique names for diffusers. All component names must be unique. Fixed in file version 06.
- d. Note that Challenge will not include ifcHistory related columns or the updating or deleting columns. Discussed previously.

e. Complete list of PM's provided in file version 06.



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