

January 2014 bSa Challenge Meeting – 2013-10-18

----- Audio Conference -----

Meeting Number(s): 877-336-1829
 Access Code: 1876016
 Security Code: 2013 (if prompted)

----- Web Meeting -----

Web Address: HYPERLINK "<http://www.webmeeting.att.com>" www.webmeeting.att.com
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1. Attendance:

Present	Name
-	Aaron Bowes;
-	Adam Omansky (aomansky@velasystems.com);
-	Adrian Soper (adrian.soper@calmsphere.com);
-	AJ Bridwell (aaron.bridwell@invicara.com)
-	Akos Rechterisz (ARechterisz@graphisoft.com);
-	Alex Kozimdts
-	Anand Mecheri (anand.mecheri@invicara.com);
-	Andy Smith (Andy.Smith@bentley.com);
-	andy.ward@4projects.com;
-	Angel Velez
-	Bill Brodt <wbrodt@nasa.gov>;
x	Bill East (bill.east@us.army.mil)
-	Brook Potter (Brook.potter@autodesk.com);
-	Brook Baker
-	Carrasquillo-Mangual, Mariangelica ERDC-CERL-IL;
-	Chris Bogen
-	Connor Christian (cmchristian@epicbim.com);
-	Dan Stapula (StapulaDE@state.gov);
-	David Derocher (dderocher@eccadcam.com);
-	David Jordani
-	David Wampler (quicx@chinooksystems.com)
-	McKay, David T ERDC-CERL-IL;
-	Deke Smith (dsmith@nibs.org);
-	Devendra Gera;
-	Dominique Fernandez (dfernandez@nibs.org);
-	Drew Bjorklund (drew@3-dbuildingtech.com);
-	Elizabeth Njoroge (enjoroge@latista.com);
-	Fairchild, Jason HQ @ MVK;

-	Frank Cole (Geneva Software)
x	Frank Moore (frank.moore@autodesk.com);
-	Igor Starkov (igor@ecodomus.com);
-	John Adams (John.Adams@4projects.com);
-	jacob@cxalloy.com;
-	John Grady (jgrady@epicbim.com);
-	Josh Kanner (jkanner@velasystems.com);
-	Keith A. Brown (kbrown@eccadcam.com);
-	Ken Nasatka (knasatka@victaulic.com);
x	Kimon Onuma (ko@onuma.com);
-	Leif Grandholm (Leif.grandholm@tekla.com);
-	Lloyd.Pickering@4projects.com;
x	Mariangelica Carrasquillo-Mangual
-	Mike Kozinets (michael.kozinets@facilitygrid.com);
x	Monte Chapin (mchapin@graphisoft.com);
-	Ole Kristian Kvarsvik (okk@nosyko.no);
-	Peter Carey (OBO-IRM)
-	Peter Cholakis (pcholakis@4clicks.com)
-	Ransom Ratcliff
-	Rich Mitrenga (rich.mitrenga@autodesk.com);
-	rjhitchcock@gmail.com;
-	Robert Anderson (randerson@vectorworks.net);
-	Rolf Jerving (rolf.jerving@nosyko.no);
-	Sasha Kozinets (kozinets.mail@gmail.com);
-	Thomas Dalbert (dalbert@onuma.com);
-	Tim Chipman (tim@timchipman.com);
-	Val Altman (val.altman@facilitygrid.com);
-	Vladimir Grablev-Dorian (vgrablev@latista.com);
-	Volker Thein (Volker.Thein@bentley.com);
-	Will Crawford (w.crawford@omtrak.com);
-	Yanni Alexakis (IAlexakis@graphisoft.com);

TO ENSURE THE MOST EFFICIENT MEETING ONLY THOSE TOPICS THAT WERE NOT PREVIOUSLY COVERED WILL BE DISCUSSED (UNLESS THERE IS A QUESTION). THOSE TOPICS ARE BOLDED.

2. bSa Challenge 2014 website has moved!

http://www.nibs.org/?page=bsa_chall14

This list is now locked and only withdrawals will be accepted.

BPIe for Planning

- DRofus (file provided – demo only, no review required)
- Onuma System (file provided – demo only, no review required)

COBie at Architectural Design

- AutoDesk (IFC file provided update pending, not scheduled)
- Graphisoft (IFC file provided, final submission expected next week)

COBie at Coordinated Design

- AutoDesk (SpreadsheetML file expected next week.)
- Graphisoft (No File has not been provided to date)

COBie for Construction

1. Construction includes any use during Construction Phase
2. The file used last year, noted as version 13, will be accepted for Construction

3. reviews are in progress

- 4 Projects
- ASite
- Chinook Systems
- EcoDomus
- FacilityGrid
- Onuma System

No submissions on Sparkie, Wsie, or HVACie these are pending from AutoDesk and Graphisoft.

3. Challenge Criteria:

match both format and content of current deliverables

assessment = time to manually correct deliverable error, 1 min/error record

4. Demo Criteria:

Demonstrate ability to produce data in correct format for correct

Should use sample data

Transition from “Demo” to “Challenge” depends on update of standard by community

5. Test project:

Common BIM Files: Medical Dental Clinic Drawings

http://projects.buildingsmartalliance.org/files/?artifact_id=3451

Handover File (2013-08-01, V14) (without referenced PDF Files)

an updated file has been provided that corrects several minor issues

COBie Design Testing Procedure

http://projects.buildingsmartalliance.org/files/?artifact_id=6655

6. Testing software:

Toolkit updated and posted on Means and Methods page.

Discrepancies to mappings/MVD's they must be identified no later than when your test file is submitted.

Mapping files (Chris Bogen needs to confirm, but is away this week)

Responsibility Matrix (v17)

http://projects.buildingsmartalliance.org/files/?artifact_id=6753

7. Meeting Date/Time Format:

<http://www.nibs.org/?page=conference2014>

Tuesday 07-Jan-14, Marriott Wordman Park (at the Zoo)

AM Session (Plenary)

PM Sessions (Design/Construction)

8. Design Session

a. BPie for Architectural Programming

- i. An update to BPie is required for usage pattern scheduling to match OASIS wsCalendar specification (https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=ws-calendar) details forthcoming.

- ii. BPie requirement is per current NBIMS-US V3 Ballot Submission.

iii. Chris Bogen has been in discussion with OKK to discuss wsCalendar will be included.

iv. Since time of meeting keeps DRofus from participating, Chris, OKK, and Kimon should have a separate call on this topic to coordinate any final changes to the BPie Ballot Submission.

b. BPie for Early Design (importation of BPie files)

- i. Importation of standard room data sheets into architectural design system
Importation of BPie into design software has NOT been demonstrated and this will be scratched from the demo.

- c. COBie for Architectural Design

Requires floors, spaces, doors, windows, lighting & plumbing fixtures found on the drawings and in the example COBie file provided. Any discrepancies between these two must be no later than when files for testing are submitted

- d. COBie for Architectural and MEP Design

Requires ARC information plus **ALL scheduled MEP** equipment found on the drawings and in the example COBie file provided. Any discrepancies between these two must be no later than when files for testing are submitted.

- e. **COBie Design Modeling Requirement.**

Explanation of Criteria

http://projects.buildingsmartalliance.org/files/?artifact_id=6655

Equipment types and counts found in that file

3 Spaces to be modeled in Detail

1E21 Flammable Storage

2A05=OH DTR #1

1E15 – Central Mechanical Room

- f. SPie Demonstration for Architectural Design and Architectural and MEP Design
SPie Demonstration not to be included in this round.

- g. HVACie Demonstration at Coordinated Design Possible for those interested

MVD: http://projects.buildingsmartalliance.org/files/?artifact_id=4785

mvdXML http://docs.buildingsmartalliance.org/MVD_HVACIE/

- h. WSie Demonstration at Coordinated Design Possible for those interested

MVD: publication pending.

mvdXML http://docs.buildingsmartalliance.org/MVD_WSIE/

- i. Sparkie Demonstration at Coordinated Design Possible for those interested

MVD: http://projects.buildingsmartalliance.org/files/?artifact_id=6678

mvdXML http://docs.buildingsmartalliance.org/MVD_SPARKIE/

9. Updated Files Posted

- a. HVACie sample file in IFC 2x3 for Duplex and Clinic. HVAC components, assemblies, and connections. COBie plus ducts, valves, filters, and piping + Coordination View + ports.
- b. WSiE sample files in IFC 2x3 for Duplex, Office, and Clinic. COBie plus valves and piping + Coordination view + ports.
- c. Sparkie sample files in IFC 2x3 for Duplex, Office, and Clinic (ports will be expected in submitted files but are not present in example). COBie plus panels, breakers, circuits, and feeders + Coordination View + Ports.
- d. COBie Responsibility Matrix updated. Fully coordinated with IFC 2x3 standard so there should be no confusion regarding (essentially arbitrary) property set locations.
- e. COBieLite, a NIEM-compliant XML specification, provided for Clinic. Is expected to form basis for outside A/E/C use of COBie.
- f. Given repeated requests for new COBie 2.4 spreadsheet format Templates, they will be posted http://www.nibs.org/?page=bsa_cobiemm (go to bottom). There is an update to this page in progress and the files will be available by Tuesday 17 Sep 13 for those that want them.
 - i. Blank template
http://projects.buildingsmartalliance.org/files/?artifact_id=6791
 - ii. Design template
http://projects.buildingsmartalliance.org/files/?artifact_id=6790
 - iii. Handover template
http://projects.buildingsmartalliance.org/files/?artifact_id=6789

10. Overview Session

- a. bSa overview (Smith)
- b. "ie" project overview Common Models and Tools (East)
- c. COBie training (Foster?)
- d. COBie mandate in UK (Bew?)
- e. COBie mandate at Corps of Engineers (Fairchild)
- f. Release of free COBie calculator (Fallon)

11. Design Session

- a. BPie Demo
 - i. DRofus
 - ii. Onuma
- b. Design Data Management Workflow (Igor Starkov Lead)
 - i. AutoDesk
 - ii. Graphisoft
 - iii. Onuma
 - iv. EcoDomus

12. Construction Session

- a. HVACie for MEP Fabrication Design (**pending submissions**)
- b. Announcement of COBie Construction Project Team (Starkov)
- c. Data Collection Using Open-Source Android App (Carrasquillo)
- d. Vendor demonstrations of COBie at Construction Handover
 - a. Alphabetical order expected.

13. Next Meeting

22-Nov-13, 1000-1100 Central Time.

I will provide full list of expected deliverables – including contact information, presentation, COBie instructions, etc... for “Means and Methods Page”

Finalize All Presentations and Publish Conference Schedule.