bS-USA Solutions Providers Group (SPG)
BIM for Bridges and Structures Unit Test Support Forum #12

11 September 2024

Agenda

Updates on Unit Test Suite and Design-to-Construction data exchange requirements and methodology

Updates on specific instructions

GitHub and Teams updates

Questions **for** Vendors

Questions **from** Vendors

AOB

General Notes

Meeting is being recorded. Recordings and notes will be made available on the [project Teams site](#)

Any documentation resulting from discussions will be included on GitHub repository Readme.md and/or repository wiki

Speak up. Silence is NOT golden in this case. Active participation helps us all. If you see something, say something. We are flexible to form the optimal process and get the best results. When in doubt, ask. There are no dumb questions.

Meeting Schedule

Back to bi-weekly. Same day of week, same time.

Tentative 2024 Dates & *Tentative SPG 2024 Dates:

~~14 FEB~~	~~05 JUN*~~	**25 SEP***
~~28 FEB~~	~~19 JUN~~	09 OCT
~~13 MAR~~	~~03 JUL~~	**23 OCT***
~~27 MAR~~	~~17 JUL~~	06 NOV
~~10 APR*~~	~~31 JUL~~	**20 NOV***
~~24 APR*~~	~~14 AUG*~~	04 DEC
~~08 MAY cancelled~~	~~28 AUG~~	**18 DEC***
~~22 MAY~~	11 SEP	

Unit Test Suite Updates

Unit Test Suite – Continued Work/Challenges

- Coordination with bSI

  - **Phase 2 - TPF-3[523]**

    - **Exchange Methodology Development**

  - **Review and commentary of AbV base MVD**

    - **Sent week of bSI General Assembly. Anticipating response soon.**

    - **Will circulate the TPF Software Vendors**

    - **Est. date of AbV(?)...**

bSI base MVD Updates

- Alignment-based Reference View (abRV) -> Alignment-based View (AbV)
  - More than "Reference geometry"
  - Updated documentation – *Let's take a look…*

    IFC4x3 MVD

    https://docs.google.com/spreadsheets/d/1K4apJAJ0Embq811KtjGJlPExN-gr8yIEw1JiXg5W10k/edit#gid=2118705671

    IFC 4.3.2.20240512 (IFC4X3_ADD2) under development

    https://ifc43-docs.standards.buildingsmart.org/IFC/RELEASE/IFC4x3/HTML/concepts/content.html

Unit Test Suite – Continued Work/Challenges

- Mapping of Data Dictionary items to IFC4.3.2.0
    - **"Version 2.0 (Preview)" – posted to bSDD (testing and revisions underway)**

- Permissible Use letter – **Available!!!**

Test Instructions Updates

Test Instruction Updates

- Will update based on possible AbV revisions
  - **Under review by bSI (Evandro)**
    - **Need input/feedback from vendors via IFC4.x-IF**
  - **Will update IDS-based, plain-language requirements**
    - **Include TPF Bridge DD mappings ("final version")**

GitHub / Teams Updates

UTS on GitHub / Teams Updates

- Permissible Use Letter posted!

Questions for Vendors

Your input is valuable…

Questions for Vendors

- Progress on implementation?

- No files have been submitted… yet… from anyone…

Questions from Vendors?

See something, say something…

AOB

Thank you for your time

bSI General Assembly Meeting

https://www.buildingsmart.org/event/general-assembly-of-implementers-westminster-usa/

GENERAL ASSEMBLY OF IMPLEMENTERS

WEDNESDAY 28TH AND THURSDAY 29TH AUGUST 2024

TRIMBLE HQ, WESTMINSTER, COLORADO, USA

bSI GA Agenda

General Assembly of Implementers Agenda - August 2024

Location: Trimble HQ, Westminster (Denver), CO, USA

Recommended Hotel: Drury Plaza Hotel Denver Westminster

Wed 28 August	Time (MDT)	Duration (mins)	Topic	Speaker(s)
Session 1: IDS, IFC, bSDD	09:00 - 10:30	15	Welcome and introduction from Trimble	Chris Peppler, Mark Schwartz
		30	Status update of standards and services	Léon van Berlo
		45	User experiences and feedback	Richard Brice (Washington State DOT)
	11:00 - 12:30	15	IDS updates	Léon / Artur
		60	bSDD updates	Artur Tomczak
		15	IFC 4.3 & Implementer Forum update	Evandro Alfieri
Lunch	12:30 - 13:30		**Lunch & Group Photo**	
Session 2: IFC Validation & Certification	13:30 - 15:00	90	IFC Validation Service	Evandro / Scott Lecher
	15:30 - 17:00	90	Software Certification	Evandro / Léon
Evening			**Dinner hosted by Trimble**	

Thu 29 August			Topic	Speaker(s)
Session 3: IFC 5	09:00 - 10:30	90	IFC 5 Principles and conciderations	Greg / Léon
	11:00 - 12:30	70	IFC 5 experiments / demos	Greg / Tom / Thomas / David
		20	ISO Compatibility Policy for IFC	Léon
Lunch	12:30 - 13:30		**Lunch**	
Session 4: Open house & onsite tour		30	Wrap up: decisions and lessons learned	All
	13:30 - 15:00		open House submit your proposal to technical@buildingsmart.org	
	15:30 - 17:00		Tour Trimble Campus	
			End of meeting	

Learn from the Experts

https://www.buildingsmartusa.org/us-activities/openbim-usa-events/buildingsmart-usa-openbim-workflows-learn-from-the-experts/

buildingSMART USA openBIM® Workflows: Learn from the Experts
August 27, 2024 | All Day
Trimble Corporate Headquarters @Westminster, Colorado

A one-day **hybrid** event with visiting experts, discover the latest in openBIM® workflows and learn from industry experts at our exclusive event hosted by Trimble. This is a unique opportunity to meet speakers from the US, Asia, and Europe, deepen your understanding of IFC and other buildingSMART standards, participate in interactive demos, and network with professionals in the field.

Highlights include:

- Insightful presentations and demos on IFC and openBIM®
- Real-time sessions to navigate IFC models
- Live demos to define requirements using IDS and bSDD, and checking IFC models
- Interactive discussions on digital as-builts and validation services
- Networking opportunities with top industry experts

Whether you're a designer, project manager, or BIM enthusiast, this event is tailored to enhance your knowledge and skills in openBIM® workflows.

Don't miss out on this chance to stay ahead in the industry. Register and join us for a day of learning, collaboration, and innovation!

Many thanks to Trimble Inc. for hosting this event at their Corporate Headquarters!

- In-person $250 / person
- Virtual $125 / person
- Virtual (Public Agency) $0 / person
- Student $30

Space is limited, register now!

one-day hybrid event with visiting experts

buildingSMART USA openBIM® Workflows: Learn from the Experts

rare opportunity to meet speakers from the US and Europe

Tuesday, August 27, 2024

Require — Define your project information requirements — IDS bSDD
Produce — Create the dataset — IFC
Check — Check your data against the requirements — BCF
Deliver — Share data and/or issues — openCDE

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buildingSMART International Trimble

Trimble Corporate Headquarters
Westminster, Colorado