buildingSMART International Implementation Support Group Meeting #67
München, Deutschland
2018 September 13-14

Meeting Details

Host:
Meeting hosted by ALLPLAN Deutschland GmbH
Dinner hosted by OBERMEYER Planen + Beraten GmbH

Venue:
Nemetschek Group
Konrad-Zuse-Platz 1
81829 Munich
Room: Brussels/Bordeaux

Map: [https://goo.gl/maps/zNwBrySDyBN2](https://goo.gl/maps/zNwBrySDyBN2)

Attendee Registration:
[https://doodle.com/poll/ggc2tvrefsq8hkwc](https://doodle.com/poll/ggc2tvrefsq8hkwc)

Host Dinner:
Augustiner Bräustuben [http://www.braeustuben.de](http://www.braeustuben.de)
- Landsberger Straße 19, 80339 München
- September 13th from 19:00-22:00 (basically open end)

Schedule

13 September (Thursday)
- Morning Session: 09.00-12.30, Coffee Break 10.30
- Lunch: 12.30-13.30
- Afternoon Session: 13.30-18.00, Coffee Break 15.30
- Host Dinner: 19.00-22.00

14 September (Friday)
- Morning Session: 09.00-12.30, Coffee Break 10.30
- Lunch: 12.30-13.30
- Afternoon Session: 13.30-15.30 (open ended for those leaving early or those wishing to stay and continue to work)
### Agenda:

#### Thursday AM

1. Welcome & Roll Call
2. ISG Business Part 1 [J. Ouellette]
   - bSI Room/Project/Summit updates [J. Ouellette]
     - Spring 2018 Paris Summit review
     - Fall 2018 Tokyo Summit preview
     - Model Setup
     - Infra - Rail (Call in afternoon)
     - ...
   - Future meeting planning
     - #69 - Fall 2019 (12-13 September?)
     - #70 - Spring 2020 (12-13 March?)
     - #71 - Fall 2020 (17-18 September?)
     - #72 - Spring 2021 (18-19 September)
   - Proposal: Regular internal testing – Similar to STEP and JT implementations [J. Heinisch]
     - Especially for geometry representations (tessellations, NURBS, AdvancedBRep, etc.)
     - Alignment
3. End user presentations:
   - Presentation about the advancements in IFC/BIM research from TUM (Technical University Munich) [S. Markic]

#### Thursday PM

4. **14.00** Call-in meeting with Technical Expert Group, IFC-Rail Project for Digital Standards in the Railway Infrastructure Industry [C. Erismann]
   - Discuss development of new schema definitions with vendors
   - Determine best process to set up RFP/RFC for vendors
   - Looking forward to onboarding vendors at Tokyo Summit for kickoff
5. IFC5 – Proposals from ISG for changes, additions, enhancements
   - Precision / Tolerance [I. Sokolov]
   - IFC referencing/linked files [J. Heinisch]
     - STEP (ISO 10303-21 ed. 3) vs. ifcXML
     - Reduce single overall file size
     - Improve partial exchanges and changes
   - Best practice for Instance/Reference (object typing) [J. Heinisch]
   - Aggregate objects and need for part specification for better parametric transfer in future versions of DTV [J. Ouellette]
     - Stair / StairFlight
     - Ramp / RampFlight
     - Window
     - Door
     - Railing
     - ...
   - More than one object allowed to be associated to a Door/Window assembly inserted in an opening (**IfcElementAssembly**?)
     - Create an “assembly” to include lintels, sills, shutters, etc.
   - Opening elements [J. Kiss]
     - Enable more than one element to be clipped by IfcOpeningElement
   - Component listing information [J. Kiss]
- Maintain component data (properties, quantities) without exploding elements into parts (without losing layer and profile structure)
- Use real entity references in IFC5 instead of text-based referencing in IFC4
  - Geometry freedom of IfcMaterialLayerSetUsage [J. Kiss]
  - Enable CSG clippings
  - Revoke vertical extrusion constraint
  - Extend to all elements
  - Freeform geometry to be clipped
  - Surface-based definition of clipping
- ???

6. IFC open Toolkit – Where to Begin? Bootstrapping and moving forward

Friday AM
7. bSI Updates
   - Management Executive [R. Kelly]
8. MSG business [T. Liebich/M. Weise]
   - IFC+ development
9. ISG business Part 2 [J. Ouellette]
   - IFC4 Certification updates [M. Weise/R. Steinmann]
   - Outstanding issues
     - Finalize ISG charter - Structure, mission, operations, etc.
     - Finalize IFC intent/use/scope documentation
       - IFC2x3 CV2.0
       - IFC4 RV & DTV
     - Communications - Utilizing new web technologies
       - Github vs. JIRA
       - New Tech website
       - Forum
   - Technical Room updates [J. Ouellette]
   - bSI Product Strategic Planning initiative update [J. Ouellette]

Friday PM
10. DTV 1.x refinement

Next Meeting(s) [J. Ouellette]
- #68 – 14-15 March 2019
  - Columbia, MD (Vectorworks).
- #69 – 12-13 September 2019
  - City, Country (Host) ??? Suggestions welcome… by the look on my calendar, we’re due for either Trimble, Bentley, or Autodesk. Dassault?… proposal needed
- #70 – 12-13 March 2020
  - City, Country (Host) ??? Suggestions welcome… by the look on my calendar, we’re due for either Trimble, Bentley, or Autodesk. Dassault?… proposal needed
- #71 – 17-18 September 2020
  - City, Country (Host) ??? Suggestions welcome… by the look on my calendar, we’re due for either Trimble, Bentley, or Autodesk. Dassault?… proposal needed