

# 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>

### Attendee Registration:

<https://doodle.com/poll/ggc2tvrefsq8hkwc>

### Host Dinner:

Augustiner Bräustuben <http://www.braeustuben.de> 2

- 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*