

	Title	Organisation /Author	Date	Status
	Product and Process Room Workshops Waltham, MA, USA	bSI/Roger Grant/Jan Karlshøj	7-Mar-13	Ver. 4

Product and Process Room Workshops in Waltham, March 2013

The buildingSMART International *Product Room* and *Process Rooms* support professionals within architecture, engineering, construction, product manufacturing, and facility operations and management by helping them benefit from building information modelling (BIM) through the use of open standards, known as *openBIM*. The use of BIM can result in significant savings, however, it requires focus from management, reengineering of work processes, detailed data specifications and availability of compatible software tools. *openBIM* uses a combination of building information modelling tools and transferring data by open standards to help the building industry collectively meet these requirements.

The *Product Room* is mainly focusing on the data specifications and procedures for how virtual building products should be constructed in order to be used in a virtual building. Whereas the *Process Room* is looking at the reengineering of design, construction and operation processes by building information modeling tools.

The *Product and Process Rooms* will have their third workshop in Waltham, MA USA Wednesday 13th – Thursday 14th March 2013. There will be great opportunities to network with people within the International buildingSMART community.

The *Product and Process Rooms* workshops will focus on successful implementation of *openBIM* through use of open standards, looking at key factors for success driven by experience from projects and case studies.

Product Room Workshop Agenda (*Process Room Workshop Agenda follows*)

Wednesday March 13th – Thursday March 14th at Forefront Conference Center, Waltham, MA USA.

The workshop is focusing on how to benefit from using open BIM and Data Dictionaries during design, construction, and operation. Examples based on case studies and group discussion are key elements of the Workshop.

9:00AM – 10:45AM	Joint session between <i>Product Room, Process Room and IUG</i> <ul style="list-style-type: none"> - IUG Items, Kjell Ivar Bakkmoen - Review of Product and Process Room Operations and Activities, Jan Karlshøj, Roger Grant, buildingSMART International - Review of Product Room Pilot Project, Birgitta Foster, buildingSMART Alliance
10:45 AM	Coffee/tea break

11:00 AM	Review Product Room Agenda/Objectives <ul style="list-style-type: none"> - Roger Grant, buildingSMART International (Product Room Leader)
11:15 AM	bSDD Technology <ul style="list-style-type: none"> - Update on the new bSDD API project, Havard Bell, Catenda/bSDD Technical Group, Norway
11:45 AM	IFC in bSDD Update <ul style="list-style-type: none"> - update on status and latest efforts including standardized approach to loading IFC into bSDD and how to utilize it to map to the data that projects are creating/using, Håvard Bell
12:30 PM	Classification in bSDD Update <ul style="list-style-type: none"> - Status of OmniClass and UniClass tables. What other classifications are ready for upload, procedures for loading and use, how will classification be able to improve viewing and using product data and other contents. Roger Grant/Greg Ceton, CSI, USA
01:00 – 02:00 PM	Lunch and Networking
2:00 PM	bSDD Pilot Project <ul style="list-style-type: none"> - latest status, discussion of findings and next steps, Birgitta Foster, buildingSMART Alliance, USA and other project participants - Findings on Administrative Procedures and Guidelines - Findings on Tool Requirements - Discussion and Next Steps to expand to project
3:00PM	Product Data and Library Projects <i>(Note: Not all speakers are confirmed and are subject to change.)</i> <ul style="list-style-type: none"> - Product Data and Specifications at RIBA/NBS – Ian Chapman, RIBA/NBS, UK - Update on French Product Databases : Edibatec – Ines by Frédéric Grand, BBS Slama, France, - Update on Norwegian OpenBIM Implementation Project, Jacob Mehus/Steen Sunesen, buildingSMART Norway, Norway - Update on Dutch CB-NL project, Radboud Baayen, STABU and Bram Mommers, Netherlands - Specifiers Product information exchange (SPie) – product templates, product data and IFC, Mark Kalin, Kalin Associates/bSA, USA - buildingSMART Product Data Templates - Finding/developing a technology platform/format for publishing “official BuildingSMART templates”, Bjorn Stangeland, DDS/bSI, Norway - Use Case for development of product libraries, Roger Grant - Discussion
3:30 PM	Coffee/tea break

3:45 PM	Product Data and Library Projects (Contd.) <i>(Continuation of presentations from above)</i>
5:45 PM	Wrap up and Review for next day
6:00 PM	Closing Day One
Agenda Day Two	
09:00AM	Exchange Project Libraries <ul style="list-style-type: none"> - COBie, Nick Nisbet AEC3 - FMie, Steen Sunesen buildingSMART Norway - HVACie, Mark Kalin/Deke Smith, buildingSMART Alliance - Others
10:15 AM	Product Room Administration <ul style="list-style-type: none"> - Discussion of operational issues as identified at Watford UK MG meeting, Roger Grant
10:45 AM	Coffee/tea break
11:00AM – 01:00PM	Joint session between <i>Product Room, Process Room, IUG</i> <ul style="list-style-type: none"> - Review of Product and Process Room Operations and Activities, Jan Karlshøj, Roger Grant, buildingSMART International - Resolutions, Housekeeping, Kjell Ivar Bakkmoen

buildingSMART Chapter members are invited to identify product data and modeling efforts from across the building lifecycle and encourage them to present their material at the workshop. The International User Group (IUG) UserCom within buildingSMART will select which of the BIM Guidance projects that will be presented at the workshop. The IUG with representatives from the different Chapters is building a dialogue with buildingSMART members around the world. We hope you will join us in that dialogue towards successfully implementing openBIM with buildingSMART standards.

Please take a few minute to **register now** for the **Product Room Workshop** and other bSI activities for the week at this site:

<http://bsi-waltham.eventbrite.com/>

Registrations will close on Thursday March 7th at 6pm EST. A final count will then be provided to the Conference Center. **There will be no on-site registration.**

If you wish to attend the buildingSMART alliance event on Friday there is **a separate registration** required. Please go to this link for that registration:

<http://www.nibs.org/event/bimsmart13>

Roger Grant
Product Room, Project leader

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Process Room Workshop Agenda

Wednesday March 13th – Thursday March 14th at Forefront Conference Center, Waltham, MA USA.

Day 1, Case studies

Day 1 in the *Process Room* will be concentrating on how the Process Room identifying requirements and bringing them into solutions by the use of IDM and MVD.

9:00AM – 10:45AM	Joint session between <i>Product Room, Process Room and IUG</i> <ul style="list-style-type: none"> - IUG Items, Kjell Ivar Bakkmoen - Review of Product and Process Room Operations and Activities, Jan Karlshøj, Roger Grant, buildingSMART International - UK Challenge, TBD
10:45 AM	Coffee/tea break
11:00 AM	Business Cases for high priorities BIM Use Cases <ul style="list-style-type: none"> - Asset Management - Building Programming
11:15 AM	IDM Success stories Presentation of success stories of existing IDMs
11:45 AM	High Priorities Project Proposals Presentation of Project Proposals incl. required budget, plan for completion, and existing related projects. Organized by Jan Karlshoej, buildingSMART International. <ul style="list-style-type: none"> - Building Programming - Early Stage Energy Analysis - Clash Detection and Provision for Voids - Select and Procure Products - Quantity Take-Off of Building Elements - Phase Planning: Linking Objects, Schedule, and Organizations - Handover of Facility Management Documentation - Space Management, allocation of spaces
01:00 – 02:00 PM	Lunch and Networking
2:00 PM	Projects <ul style="list-style-type: none"> - Facility Management information Exchange, Steen Sunesen, buildingSMART Norway
2:30 PM	Validation Data validation based on mvdXML. Demonstration of how mvdXML can be used to improve the quality of IFC files.

	<ul style="list-style-type: none"> - Tim Chipman and Jan Karlshoej, buildingSMART International
2:45 PM	<p>Process Room Service Presentation of services provided to users of the Process Room.</p>
3:30 PM	<p>Coffee/tea break</p>
3:45 PM	<p>Result from Survey Result from survey on iug.buildingsmart.org</p>
4:00 PM	<p>Contractual arrangement Overview of identified existing contracts handling the use of digital data.</p> <ul style="list-style-type: none"> - Status on IDM part 2, ISO 29481-2, Jan Karlshoej buildingSMART International - Presentation of existing contracts - Collecting of existing information
4:30 PM	<p>Education and end user certification Presentation of identified educational programs and user certification</p>
5:00 PM	<p>IFC4 Rollout Strategy Presentation and discussion of Rollout Strategy for IFC4 from a User's point of view.</p> <ul style="list-style-type: none"> - Steen Sunesen buildingSMART Norway, and Jan Karlshoej buildingSMART International
5:45 PM	<p>Wrap up and Review for next day</p>
6:00 PM	<p>Closing Day One</p>
Agenda Day Two	
9:00 AM	<p>Mandated use of open standards Presentation of identified requirements for open standards</p> <ul style="list-style-type: none"> - USA - UK - Norway - Finland - Denmark - Please inform Jan Karlshoej if a country is missing
9:45 AM	<p>BIM Guidelines Status of regional and international BIM Guidelines</p> <ul style="list-style-type: none"> - USA

	<ul style="list-style-type: none"> - Finland - Please inform Jan Karlshøj if a country should be added
10:30 AM	<p>BIM Collaboration Format (BCF)</p> <p>Sample of how BCF can used in inhomogeneous environment, to solve coordination issues</p> <ul style="list-style-type: none"> - Jan Karlshøj, buildingSMART International
10:45 AM	Coffee/tea break
11:00AM – 01:00PM	<p>Joint session between <i>Product Room, Process Room, IUG</i></p> <ul style="list-style-type: none"> - Review of Product and Process Room Operations and Activities, Jan Karlshøj, Roger Grant, buildingSMART International - Resolutions, Housekeeping, Kjell Ivar Bakkmoen

buildingSMART Chapter members are invited to identify success stories on the use of open standards from the user communities and present the material at the meeting. We hope you will join us in that dialogue towards successfully implementing openBIM with buildingSMART standards.

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Jan Karlshøj

Process Room, Project leader