

MANDATED USE OF OPEN STANDARDS - NORWAY

WALTHAM – 14 MARCH – STEEN SUNESEN

REQUIREMENTS FOR OPEN STANDARDS

Contractors and architects and engineers requires and use IFC

Because IFC works and they only have to relate to one exchange format



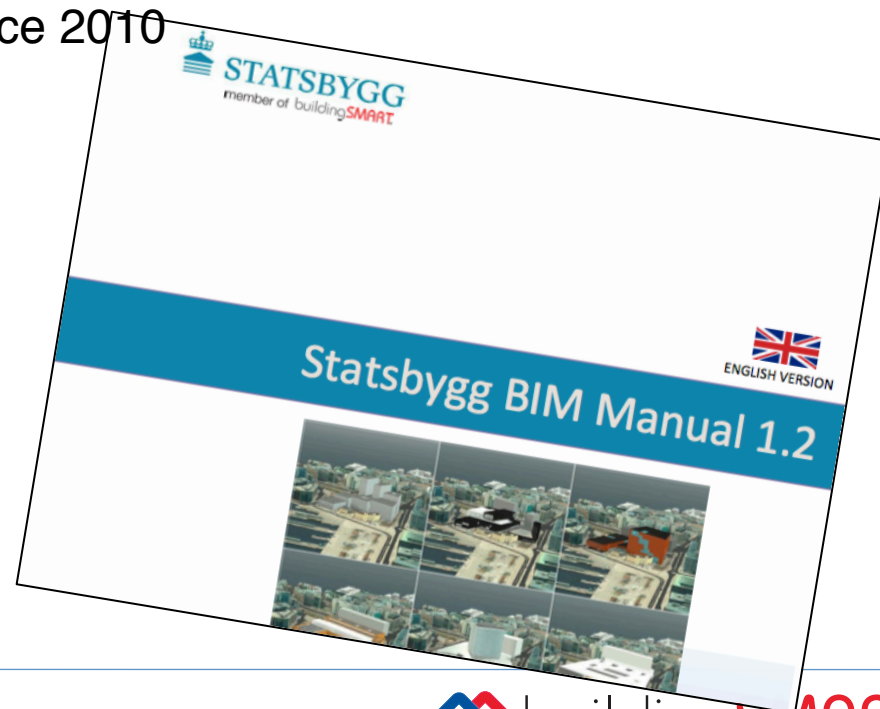
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REQUIREMENTS FOR OPEN STANDARDS

Public Construction and Property Management (Statsbygg)

Require openBIM in all projects since 2010



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Statsbygg and six equals require openBIM

Public Statement

FIRST AMENDMENT TO STATEMENT OF INTENTION TO SUPPORT BUILDING INFORMATION MODELING WITH OPEN STANDARDS

Background

This First Amendment to Statement of Intention to Support Building Information Modeling with Open Standards (Statement), dated January 17, 2008, affirmed the intention of the parties to support the continued use of open standards in the building industry. New and returning signatories, acting in their own capacity and through their public real estate departments, further their commitment toward open standards in "Smart Buildings" Technology (SBT). As a result of this First Amendment, further their commitment toward achieving open standards in the building industry, specifically in BIM (i.e., planning, design and construction component) and in building operations (operations component), to foster innovation and the continuous advancement of productivity, efficiency, and sustainability through energy use reduction in building construction and operations, leading to a better built environment for owners, clients, and stakeholders.

Senate Properties, Finland
GSA, USA
Rijksgebouwendienst, Netherlands
GCCA, Iceland
INDAABIN, Mexico
DECA, Denmark
Statsbygg, Norway

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SENRHA (Helse Sør-Øst) require openBIM in all projects from 2014

All information in SENRHA's BIM projects has to be stored on open International format.

SENRHA requires that 3D-models:

- *Is stored on the open International format IFC (current version).*
- *Show full isometric for direct information transfer to computer aided manufacturing.*

Following text has to be implemented in all new BIM-projects:

“From 01.01.2014 all information that architects, engineers, contractors etc. produce in their domain model has to be able to be exported til openBIM.

All information has to be stored on the current version of the open BIM format IFC. All domain systems has to be able to import all information stored in openBIM (IFC).”

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buildingSMART Norway Client Forum

HELSE SØR-ØST

STATSBYGG

FORSVARSBYGG

AVINOR

ST. OLAVS HOSPITAL

NORGES BYGG OG EIENDOMSFORENING

UNDERVISNINGSBYGG OSLO KF

HELSEBYGG MIDT-NORGE



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Client Forum**

JOINT STATEMENT

JOINT STATEMENT – openBIM

Background

Our organizations have already implemented open international buildingSMART standards in our new building projects, as we consider this is the most future oriented solution for the building industry. Open standards, based on user-driven development of technology, gives the possibility to achieve seamless data exchange between all domains through the whole project/building life cycle. Based on this, our organization has chosen buildingSMARTs openBIM standards as the foundation for exchange (export, import), storage and process of the Building Information Model. We consider the adaptation of open international standards as crucial in order to achieve the goals we have set for our organizations.

Intent

We consider predictability as a major value in our business development plan, and we want to give the building industry a clear understanding of our intentions.

Within 1st of July 2016 we will demand that all software used in our projects in order to create, edit, store or process data from the Building Information Model, shall support complete interoperability, by communicating and sharing building information based on openBIM and be certified to export, link and import all information in the latest official version of open international format like IFC (ISO 16739) and BuildingSMART International official IDMs and Model View Definitions.

Open Signatory Process

Our intention and our wish are that new signatories will be added to this public statement. Signatories are intended to be other building owners in Norway. New signatories must approve this public statement and must be accepted by all the existing signatories.

Annual Review

As the implementation of openBIM is rapidly evolving, we expect the signatories to conduct an annual review of this Public Statement and revise it - based on consensus - according to new developments.

The following signatories agree with the intentions of this Public Statement.

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JOINT STATEMENT

EXCERPT FROM JOINT STATEMENT - openBIM

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Ministry of Local Government and Regional Development

White Paper on Building Policy, Chapter 6

- *"BIM is based on open International standards for information exchange."*
- Governmental clients shall be drivers of the development and implementation of openBIM.
- use openBIM to make planning and regulative authority processes more efficient.
- Develop a digital platform that includes:
 - openBIM submission
 - Register for construction information
 - Integration with public business/personal information