



# Flere internasjonale BIM standarder på vei

Jøns Sjøgren, Boligprodusentene

Leder av ISO/TC 59/SC 13

# ISO/TC 59/SC 13



## ORGANIZATION AND DIGITIZATION OF INFORMATION ABOUT BUILDINGS AND CIVIL ENGINEERING WORKS, INCLUDING BUILDING INFORMATION MODELLING (BIM)

Chair: Jøns Sjøgren, Norway,

Secretary: Lisbet Landfald, Standards Norway

### Participating countries: 27

- Australia, Austria, Belgium, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Germany, Hungary, Italy, Japan, Malaysia, Netherlands, Norway, Portugal, Romania, Russian Federation, Singapore, Spain, Sweden, Switzerland, Turkey, United Kingdom, United States

### Observing countries: 15

- Belarus, Bulgaria, Egypt, Estonia, Iceland, India, Ireland, Iran, Israel, Lithuania, Republic of Korea, Poland, Serbia, Slovakia, Slovenia





# ISO/TC 59/SC 13 Task Forces and Working Groups

- **Task Force 01 Terminology**  
Convenor: Daniel Rossiter (until end of 2020)  
Secretary: Danny Peacock (BSI)
- **Task Force 02 Business Planning and Strategy:**  
Convenor: Anne Kemp (until end of 2020)  
Secretary: Danny Peacock (BSI)
- **WG 6 Framework for object oriented information**  
Convenor: Chi Ho Lau (until end of 2021)  
Secretary: Bjørn Brunstad (SN)
- **WG 8 Building information models - Information delivery manual**  
Convenor: Henk Schaap (until end of 2020)
- **WG 11 Product data for building services systems model**  
Convenor: Wolfgang Wilkes (until end of 2020)  
Secretary: Mr. Maximilian Müller (DIN)
- **JWG 12 (ISO/TC 59/SC 13 - ISO/TC 184/SC 4) Development of ISO 16739 and other building data related standards**  
Convenor: Thomas Liebich (until end of 2020)
- **WG 13 Implementation of collaborative working over the asset lifecycle**  
Convenor: Anne Kemp (until end of 2021)  
Secretary: Danny Peacock (BSI)
- **JWG 14 GIS-BIM interoperability**  
Co-convenors: Sigve Pettersen and Morten Borrebæk (until end of 2021)  
Secretary: Bjørn Brunstad (SN)



Jobber med 19650-serien



# ISO 19650 serien

## WG 13 Implementation of collaborative working over the asset lifecycle:

- [ISO 19650-1:2018](#)

- Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) -- Information management using building information modelling -- Part 1: Concepts and principles

- [ISO 19650-2:2018](#)

- Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) -- Information management using building information modelling -- Part 2: Delivery phase of the assets

# ISO 19650 serien - [Under development]

## WG 13 Implementation of collaborative working over the asset lifecycle:

- [ISO/CD 19650-3](#) [Under development]
  - Organization of information about construction works -- Information management using building information modelling -- Part 3: Operational phase of assets
  - Project leader: Mr David Churcher, UK
- [ISO/CD 19650-5](#) [Under development]
  - Organization of information about construction works -- Information management using building information modelling -- Part 5: Specification for security-minded building information modelling, digital built environments and smart asset management
  - Project leader: Ms Alex Luck, UK

Begge kommer på høring i løpet av sommeren





# Projects under Vienna Agreement with CEN lead

- [ISO/DIS 23386](#) [Under development]
  - Building information modelling and other digital processes used in construction -- Methodology to describe, author and maintain properties in interconnected dictionaries
  - Project leader: Mr. Frédéric Grand, F
- [ISO/DIS 23387](#) [Under development]
  - Building Information Modelling (BIM) -- Data templates for construction objects used in the life cycle of any built asset -- Concepts and principles
  - Project leader: Mr. Espen Schulze, NO

Har vært på høring. Publiseres i løpet av 2019

På høring nå



A green rectangular road sign with rounded corners and a white border, mounted on a wooden post. The sign features the text "Disruption Ahead" in a white, serif font, arranged in two lines. The background of the sign is a solid green color. The sign is set against a bright blue sky with scattered white clouds.

Disruption  
Ahead

# Hvordan ser fremtidens standarder ut?








## STANDARDS IN A DIGITALIZED SOCIETY

An analysis on maturity steps in digitalization of standards

Report by  
ISO/TC 59/TG  
on digital IDs



<b>Maturity step</b>	<b>Step 0</b>	<b>Step 1</b>	<b>Step 2</b>	<b>Step 3</b>	<b>Step 4</b>
<b>Description</b>	Paper, A4	Open digital format PDF, ODF	Machine readable, as product	Machine readable, as services	Machine interpretable
					
<b>Standards format</b>	Paper	PDF	XML	XML + Business model	Information model
<b>Market status</b>	Standards in sale	Standards in sale - same price as paper	Standards developed, but not in sale	Demand in innovative parts in the AEC/FM industry	Currently limited, but high expectations
<b>Digital development</b>	None	Supplement with use of DOI for permanent link to the standard	In progress in ISO, CEN, SN	XML with link to reference library based on ISO 12006-3:2007	Semantic / emerging technology
<b>Commercial development</b>	Price based on number of pages (higher price for printed paper)	Price based on number of PDF pages	Price based on use in software	Price based on purpose – saves time for end user	Price based on value for user – increases quality for end user
<b>Market reach</b>	Low	Some higher than Step 0	Significant increase by professional users of software	Massive increase for all parts of documentation	Extreme increase in use – by everyone
<b>Digital practice</b>	None	Read, and search in standard on screen	Standards prepared for software implementation	Selected parts of different standards can be combined in software to support defined purpose	Standards as software – new practice will be established