

Memorandum of Understanding

Between partners below

Swedish Transport Administration

Banedanmark

Danish Road Directorate

Finnish Transport Agency

Norwegian Public Roads Administration

Bane NOR

Nye Veier

This Memorandum of Understanding (MOU) sets the terms and understanding between the partners in public road and rail administration to share results and investigate on how to support common Nordic BIM goals on a large international arena.

The Nordic Road & Rail BIM collaboration is shortened to NBC.

1. Background

NBC has identified vital reasons for a common approach to BIM particularly since BIM in itself is a subject under development, with major consequences for our organizations.

We represent small countries in worldwide interest organizations. Together we will stand stronger.

2. Purpose

The purpose of this Memorandum (MOU) is to define the framework and the direction of the NBC collaborations, and to share results and investigate if we could support common Nordic goals in a large international arena.

NBCs main purpose is to discuss and share “best practice” between the Nordic countries. The aim is to identify implementation synergies and share individual strategies for BIM implementation, to discuss alignment of demands, requirements and standards and to coordinate NBC influence in international- and European standardization.

The intended audience of the Nordic Road & Rail Collaboration charter is the represents from each country.

These purposes will be accomplished by undertaking the activities described in our action plan.

3. What is BIM to us?

Better management of data and information flow through infrastructure project lifecycle including georeferenced basis data, planning, design, construction and asset management. This includes information exchange based on open standards and model based work processes for better quality, communication and management of data and information.

4. Mission

We share experiences and way of work with BIM between the Nordic countries by exchanging methods, templates and data with the aim to reduce our own development costs. We have common awareness of ongoing initiatives and inform about the national BIM implementations. We must defined our alignment and misalignment of communications to the industries.

5. Vision

We aim at having common open standards and ways of using BIM locally or in European perspective to reduce documentation, design and construction costs in the Transportation sector. We aim to do this by supporting life cycle management.

6. How to work together, roles and responsibilities

In order to fulfil the previously described mission, the NBC has outlined the following main components of the group's organizational structure.

The chair position for NBC is chosen on a yearly basis and will alternate between the organizations. The first chair period is from January 1st 2018. The chair is responsible for the yearly meeting plan and action plan in addition to coordinating communication within the group.

The responsible countries for secretariat, website and other necessary roles are described in our action plan.

7. Communication

Communication within the group

We will communicate regularly, openly and in a timely manner in our alignment partners. We will explain to our partners the responsibilities and arrangements within our organisation for our contribution to the collaborative innovation.

Communicating outside of the group

We will decide on a joint statement to the market to communicate our purpose and goals. Further need for communication to the market will use the communication channels in each organization.

8. Decisions

This group does not make decisions on behalf of our organizations but we can make recommendation about common BIM approach.

Accept new partners

All partners must agree to include new government organizations. Only government organizations can be members.

9. Financial agreement

The funding for the group meetings will be provided by each countries member organization.

10. Reporting

The NBC will create and review the following reports.

- Action plan
- Agenda
- Charter
- Contact list
- Presentation

11. Meetings

The group will meet at least three times a year and have online meetings when needed. Meeting dates and place should be specified a year in advance. The meetings rotates among the participating organizations.

12. Interaction with international standardization organizations

The Nordic Road & Rail BIM Collaboration is aware of the following organisations and committees (listed in no particular order), and interact with them when necessary:

- [buildingSMART International](#)
- [buildingSMART – Nordic Infra Group](#)
- [CEDR INTERLINK](#)
- [CEDR INTERLINK OTL](#)
- [CEN/TC/442 Building Information Modelling \(BIM\)](#).
- [EU BIM Task Group](#)
- [ISO TC59/SC13](#): Organization of information about construction works
- [ISO/TC-211 Comitee](#) Standardization in the field of digital geographic information
- [ISO/TC-211 Standards](#)
- [Open Geospatial Consortium \(OGC\)](#) Standardization of geospatial data.
- [LandXML consortium](#)

13. Duration

This MOU is at-will and may be modified by mutual consent of authorized officials from the Swedish Transport Administration, Banedanmark, Danish Road Directorate, Finnish Transport Agency, Norwegian Public Roads Administration and Bane NOR and Nye Veier.

This MOU shall become effective upon signature by the authorized officials from the Swedish Transport Administration, Banedanmark, Danish Road Directorate, Finnish Transport Agency,

Norwegian Public Roads Administration, Bane NOR and Nye Veier and will remain in effect until modified or terminated by any one of the partners by mutual consent.

In the absence of mutual agreement by the authorized officials from the Swedish Transport Administration, Banedanmark, Danish Road Directorate, Finnish Transport Agency, Norwegian Public Roads Administration, Bane NOR and Nye Veier this MOU shall end.