



ISO 7817-1

Building information modelling — Level of information need —

Part 1: Concepts and principles

*Modélisation des informations de la construction (BIM) — Niveau
du besoin d'information —*

Partie 1: Concepts et principes

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This document sets out the concepts and principles for defining the level of information need and information deliveries which form part of the information exchange processes during the life cycle of built assets when using building information modelling (BIM). These concepts and principles can deliver clear benefits to all participants in the various life cycle phases of built assets as they provide a common understanding on the right level of information needed at a certain time. One purpose of defining the level of information need is to prevent delivery of too much information. Information exchange should ensure the required information to be delivered at the agreed time for the agreed purpose to facilitate verification and validation processes.

This document provides methods for describing information to be exchanged according to exchange information requirements. The exchange information requirements specify the wanted information exchange. The result of this process is an information delivery.

There is a need that these concepts and principles are described in a common and comparable way to allow services related to building information modelling to be procured and offered on a global scale. The need has arisen by the fact that there are several conflicting terms, concepts and usages in place, internationally, that hinder the objective of having a common understanding and practise in describing the level of information need. It is therefore helpful not to use an acronym to refer to level of information need as this can oversimplify these concepts.

The concepts and principles contained in this document are aimed at all those involved in the asset life cycle. These include, but are not limited to, the asset owner/operator, the client, the asset manager, the design team, the construction team, an equipment manufacturer, a technical specialist, a regulatory authority, an investor, an insurer and an end-user.

The information exchange, as well as related topics such as the exchange information requirements and the information delivery are defined and explained in context of ISO 19650-1 and ISO 29481-1.