

# ISO 7817-1:2024-06 (E)

## Building information modelling - Level of information need - Part 1: Concepts and principles

---

### Contents

Page

- Foreword..... iv
- Introduction..... v
- 1 Scope..... 1
- 2 Normative references..... 1
- 3 Terms and definitions..... 1
- 4 General..... 3
- 5 Framework to specify the level of information need..... 3
  - 5.1 General.....3
  - 5.2 Consider the purposes.....4
  - 5.3 Consider the information delivery milestones.....4
  - 5.4 Consider the actors.....4
  - 5.5 Consider the objects within a breakdown structure.....5
- 6 Definition of level of information need and its subdivision..... 5
  - 6.1 General.....5
  - 6.2 Geometrical information.....6
    - 6.2.1 General.....6
    - 6.2.2 Detail.....6
    - 6.2.3 Dimensionality.....9
    - 6.2.4 Location.....10
    - 6.2.5 Appearance.....10
    - 6.2.6 Parametric behaviour.....11
    - 6.2.7 Relationships of aspects of geometrical information and prerequisites.....12
  - 6.3 Alphanumerical information.....12
    - 6.3.1 General.....12
    - 6.3.2 Identification.....13
    - 6.3.3 Information content.....13
  - 6.4 Documentation.....13
  - 6.5 Relationship diagram on level of information need.....14
- 7 Verification and validation..... 14
- Annex A (informative) Overview of the main concepts related to information exchange..... 16
- Annex B (informative) Examples of methods to specify level of information need..... 18
- Bibliography..... 23