

ISO/TS 23764:2026-08 (E)

Methodology for achieving non-residential zero-energy buildings (ZEBs)

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Stepwise approach toward ZEB	2
4.1 General	2
4.2 Planning phase	3
4.2.1 Determining the ZEB stage target: ZEB Ready, nearly ZEB, or (net) ZEB	3
4.2.2 Reference primary energy consumption and reduction rate targets	4
4.3 Design phase	5
4.3.1 General	5
4.3.2 Setting the outcome	5
4.3.3 Passive design	6
4.3.4 Active design	6
4.3.5 Selection of building materials, equipment and systems	7
4.3.6 Forecast of primary energy consumption and energy supply for attaining the targets	9
4.4 Construction phase	9
4.4.1 General	9
4.4.2 Construction plan	9
4.4.3 Construction and inspection	10
4.4.4 Final check and verification (as built)	10
4.5 Operations and management	10
4.5.1 Fine tuning	10
4.5.2 Understanding the primary energy consumption	10
4.5.3 Comparison between planned primary energy consumption and actual measurements	10
4.5.4 Optimizing the energy consumption	10
4.5.5 Measurement and feedback	11
5 Examples of evaluations on ZEB	11
Annex A (informative) (net) ZEB evaluation in Japan	12
Annex B (informative) (net) ZEB evaluation in Malaysia	21
Annex C (informative) (net) ZEB evaluation in Singapore	25
Annex D (informative) Nearly ZEB evaluation in Indonesia	31
Annex E (informative) ZEB Ready evaluation in Japan	36
Annex F (informative) Examples of buildings with additional equipment or facilities	44
Bibliography	45