

# ISO/TR 52003-2:2017-06 (E)

## Energy performance of buildings - Indicators, requirements, ratings and certificates - Part 2: Explanation and justification of ISO 52003-1

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Symbols and abbreviations .....	1
4.1	Symbols .....	1
4.2	Subscripts .....	2
5	Description of the document .....	2
5.1	General .....	2
5.2	Selection criteria between possible options .....	4
5.3	Input and output data .....	4
6	Relation between EPB features, indicators, requirements, ratings and certificates .....	4
7	Energy performance features and their indicators .....	9
7.1	General .....	9
7.2	Normalization to building size .....	9
7.3	Energy performances and their indicators .....	9
7.3.1	Overall energy performances .....	9
7.3.2	Partial energy performances .....	9
7.4	Ratios of identical/similar quantities as indicators for energy performances .....	9
8	Tailoring for requirements and for ratings .....	10
8.1	Two approaches .....	10
8.2	Project characteristics for tailoring .....	12
9	Energy performance requirements .....	13
9.1	General .....	13
9.2	Choice of the mix of requirements .....	14
9.2.1	General .....	14
9.2.2	New buildings .....	14
9.2.3	Existing buildings (renovations and extensions) .....	15
9.3	Constant or variable value requirements .....	15
9.3.1	Tailoring requirements to individual project characteristics .....	15
9.3.2	Tightening the requirements over time .....	17
9.4	Actual strictness .....	17
9.5	Reporting template for the overall energy performance .....	18
10	EPB rating .....	18
10.1	General .....	18
10.2	EPB rating procedures .....	18
10.2.1	Reference point - National legal requirements for new buildings .....	19
10.2.2	Expressions of reference point of the scale .....	19
10.2.3	Proposal for the shape of the scale .....	20

10.2.4	Conclusions on Method 2 .....	21
10.3	Reference values .....	21
11	Energy performance certificate .....	21
11.1	General .....	21
11.2	Content of the procedure for a building energy certificate .....	21
11.3	Content of the energy performance certificate .....	21
11.3.1	General .....	21
11.3.2	Default graphical representation model .....	22
11.4	Recommendations .....	22
12	Quality control .....	22
13	Compliance check .....	23
Annex A (informative) Input and method selection data sheet -- Template .....		24
Annex B (informative) Input and method selection data sheet -- Default choices .....		25
Annex C (informative) Illustration of the variable value of the overall primary energy use per floor area for a given set of technical measures .....		27
Annex D (informative) Procedure for building energy performance classification .....		30
Annex E (informative) Energy label model .....		31
Bibliography .....		34