

DIN EN 16309:2014-12 (E)

Sustainability of construction works - Assessment of social performance of buildings - Calculation methodology (includes Amendment A1:2014)

Contents	Page
Foreword	4
Introduction	5
1 Scope	7
2 Normative references	8
3 Terms and definitions	9
4 Purpose of the assessment of social performance of buildings	13
5 Specification of the object of assessment	15
5.1 General	15
5.2 Functional equivalent	15
5.3 Reference study period	16
5.4 System boundaries	16
5.5 Building model	16
5.5.1 Purpose and information needed	16
5.5.2 Description of the characteristics of the object of assessment	17
6 Scenarios	17
6.1 General	17
6.2 Requirements for scenarios	17
6.2.1 General	17
6.2.2 Climate conditions	18
6.3 Rules for specification of scenario per information module	18
6.3.1 General	18
6.3.2 Rules for specifying the scenario for use stage (information module B1)	18
6.3.3 Rules for specifying scenarios for maintenance, repair, replacement and refurbishment (information modules B2, B3, B4 and B5)	19
6.3.4 Rules for specifying the scenario for operational energy use (information module B6)	21
6.3.5 Rules for specifying the scenario for the operational water use (information module B7)	21
7 Methods for assessment of social performance	21
7.1 General methodological approach	21
7.1.1 General	21
7.1.2 Lifecycle stages - life cycle modules	22
7.2 Accessibility	26
7.2.1 General	26
7.2.2 Accessibility to building facilities	26
7.2.3 Access to building services	27
7.3 Adaptability	27
7.4 Health and comfort	28
7.4.1 General	28
7.4.2 Thermal characteristics	28
7.4.3 Characteristics of indoor air quality	29
7.4.4 Acoustic characteristics	31
7.4.5 Characteristics of visual comfort	32
7.4.6 Spatial characteristics	34
7.5 Impacts on the neighbourhood	34

7.5.1	General	34
7.5.2	Noise	34
7.5.3	Emissions to outdoors	35
7.5.4	Glare/Overshadowing	35
7.5.5	Shocks/vibrations	35
7.6	Maintenance and maintainability	36
7.7	Safety and security	36
7.7.1	General	36
7.7.2	Resistance to consequences of climate change	37
7.7.3	Accidental actions	39
7.7.4	Personal safety and security against intruders and vandalism	41
7.7.5	Security against interruptions of utility supply	42
8	Data for the assessment	42
8.1	General	42
8.2	Data quality and demands for completeness	42
9	Reporting and communication	42
9.1	General	42
9.2	General information on the assessment	43
9.3	General information on the object of assessment	43
9.4	Statement of boundaries and scenarios used in the assessment	44
9.5	Data sources	44
9.6	List of aspects used for assessment and expression of results	44
10	Verification of results	44
	Annex A (normative) Assessment procedure	45
A.1	Introduction	45
A.2	Assessment table for the information module "B1 - use"	47
A.3	Assessment table "Influence Allocation"	49
A.4	Assessment tables for the information modules B2 to B7	51
	Annex B (informative) Building characteristics used in an assessment	54
	Annex C (informative) Sourcing of materials and services	56
C.1	General	56
C.2	Sourcing of materials	56
C.3	Sourcing of services	57
	Bibliography	58