

MAIN CHANGES IN BREEAM-SE 2017 1.1

This document summarises the main changes made in BREEAM-SE 2017 1.1 compared to BREEAM-SE 2017 1.0.

ISSUE	LOCATION	AMENDMENT	JUSTIFICATION
GENERAL CHANGES			
N/a	Entire manual	Formatting and linguistic errors have been amended.	Correction.
N/a	Entire manual	The term "BREEAM-SE Accredited Professional" has been changed to "BREEAM-SE Advisory Professional".	The BREEAM Sustainability Champion title and other associated titles such as BREEAM Accredited Professional and Site Sustainability Manager is being phased out and replaced with a single overarching title BREEAM Advisory Professional (AP).
N/a	Entire manual	The term "gross internal floor area" has been changed to "bruttoarea" (BTA).	The term "gross internal floor area" is not used in Sweden. BTA is the sum of all floor areas, and the area includes external walls. Changing the term will not change the number of credits achieved.

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GENERAL CHAPTERS			
N/a	Chapter: Introduction to BREEAM Section: Ensuring quality and consistency	The text regarding the Standing Panel has been amended.	Correction
N/a	Chapter: Scoring and rating BREEAM-SE assessed buildings Table 4	Errors regarding minimum standards have been corrected.	Correction
N/a	Chapter: Scoring and rating BREEAM-SE assessed buildings Table 7	Error regarding minimum standard for a Very Good rating has been amended. There is no minimum standard in Ene 01 for a Very Good rating. However, there is a minimum standard in Ene 02a for a Very Good rating.	Correction
N/a	Chapter: Scoring and rating BREEAM-SE assessed buildings Section: Producing case studies for BREEAM-SE	The principles regarding the production of case studies have been clarified.	Clarification

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	'Outstanding' rated buildings		
	Chapter: The BREEAM-SE evidential requirements Section: The assessment report and the BREEAM-SE Assessor role	It has been clarified that assessors must follow the guidelines of the Operations Manual for BREEAM-SE.	Clarification
MANAGEMENT			
Man 03	Top information bar	The number of credits available and the minimum standard associated with the issue have been amended.	Correction
Man 03	CN3.4	It has been clarified that SGBC should be contacted, not BRE.	Correction
Man 04	Relevant definitions	A definition for "main contractor" has been added.	Clarification
HEALTH AND WELLBEING			
Hea 01	Tabell 14	Reference to residential buildings has been removed.	Correction. Criteria 5 and 6 are not applicable to residential buildings.
Hea 01	Criterion 7	The criterion now refers to CN3.10, not CN3.11. A reference for CN3.17 has also been added.	Correction/clarification

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Hea 01	Criterion 9	The criterion now refers to CN3.10 and CN3.17, not CN3.2.	Correction
Hea 01	Criterion 10 and Relevant definitions	The term “construction zone” has been changed to “assessment zone”.	Clarification
Hea 01	Criterion 11a	It has been clarified that: i) the limit of four work places is indicative and not strict ii) the requirement for occupant control covers workplace lighting and not general lighting	Clarification
Hea 01	Criterion 11b	It has been clarified that the criterion applies to workspace lighting and not general lighting.	Clarification
Hea 01	Criterion 11f	It has been clarified that the criterion is achieved by default if there is no need for lighting in the display zone.	Clarification
Hea 01	CN3.1 and Evidence	It has been added that glare control does not have to be installed where design studies have demonstrated that glare is not an issue. However, the client must confirm that glare control measures will be installed if unforeseen issues should arise.	Correction/clarification. Glare control should not have to be installed where they would serve no purpose.
Hea 01	CN3.14	The previous CN3.14 has been removed as the information is included in criterion 12. The information in the new CN3.14 has been extracted from CN3.15.	Correction/clarification
Hea 01	CN3.17	It has been clarified that the 500-lux requirement can be achieved using workplace lighting (e.g. desk lamps) and	Correction/clarification

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		that a lease agreement obliging the tenants to provide such workplace lighting can be used to demonstrate compliance if workplace lighting is not within the scope of the project.	
Hea 01	Evidence for daylighting	The requirements have been updated to reflect that daylight calculations must be submitted at PC if they have not been submitted at DS.	Correction
Hea 01	Relevant definitions, working plane	Clarification/correction that the standard height for Swedish daylight calculations is 0.8 m.	Correction/clarification
Hea 02	Criterion 3, criterion 4 and CN3	It has been clarified that the valid BBR version as regulated in the building permit applies, and that AFS 2009:2 only applies where it is applicable to the building type.	Clarification
Hea 02	Criteria 11 and 13	The required version of the applicable standards has been clarified.	Correction/clarification
Hea 02	Table 17, 18 and 19	The required version of the applicable standards has been clarified.	Correction/clarification
Hea 02	CN1	Correction regarding applicable ventilation criteria for shell and core buildings.	Correction
Hea 02	CN3.4 and CN3.5	The required version of the applicable standards has been clarified.	Correction/clarification
Hea 02	CN13.14	It has been clarified that the lower level of ventilation corresponds to BBR compliant levels.	Clarification

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Hea 02	Evidence for criteria 9 – 15 (post construction) and 18 – 21	The evidence requirements have been clarified.	Clarification
Hea 05	Evidence at Post Construction	The evidence requirements have been clarified to reflect that any required remedial works must be completed prior to handover and occupation, as per criterion 2.	Clarification.
Hea 08	CN3.1	It has been clarified that the minimum space requirements are subject to any higher requirements arising from national or municipal regulations.	Clarification
ENERGY			
Ene 01	Prerequisite/Criterion 1	It has been clarified that the prerequisite refers to the BBR version as regulated in the building permit.	Clarification
Ene 01	Relevant definitions	The definition for energy demand was removed as project teams should refer to Swedish regulation.	Clarification
Ene 01	CN3.5	The CN has been updated to reflect the new legislation BEN 2.	Updated legislation
Ene 03	CN2	Clarification that the credit for internal lighting will be filtered out of the assessment if internal lighting is not installed within a residential building project.	Clarification
Ene 04	CN3.2	The following sentence has been removed: "Mechanical ventilation may only be used for small areas, e.g. for kitchenettes and toilets."	Correction. Free cooling solutions are not necessarily linked to the ventilation

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			system. Hence, the free cooling credit should not be affected by the building's ventilation system.
Ene 04	CN3.5	Point 2 and 3 have been removed.	Not relevant to BREEAM-SE.
Ene 04	CN3.13 (previous)	The previous CN3.13 has been removed.	The CN is not applicable to BREEAM-SE.
Ene 04	CN3.15 (previous CN3.16)	The text now refers to Swedenergy (Energiföretagen Sverige) and their website: https://www.energiforetagen.se/	Update
Ene 04	CN3.16 (previous CN3.17)	The following paragraph has been added: "The percentage CO2 savings should be calculated by comparing the baseline CO2 emission rate to the predicted CO2 emission rate. When calculating the energy contribution and CO2 emissions saved from the LZC installation, the net yield of the LZC installation(s) must be used (i.e. subtract any CO2 related to the energy used by the LZC technology itself such as pumps, inverters, controllers etc)."	Correction. The text was missing in BREEAM-SE 2017 1.0.
Ene 04	Methodology, Passive design analysis	"Primary energy consumption" has been removed. In the last paragraph, the terms "building services engineer" and "accredited energy assessor" has been	Correction. Primary energy use is not included in Ene 04. The calculations must be carried out by a suitably

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		replaced by “Suitably qualified energy modelling engineer”.	qualified energy modelling engineer as per the definition in Ene 01.
Ene 04	Methodology, Low and zero carbon feasibility study	The last paragraph has been removed.	Correction. The last paragraph was inconsistent with CN3.16 (previous CN 3.17).
Ene 05	Methodology	The definition for GWP has been clarified.	Clarification
Ene 07	Heading for criteria regarding design specification	The heading and the number of credits available have been corrected.	Correction
Ene 07	CN3	Clarification regarding the issue’s applicability to higher education buildings, university buildings and primary and secondary level school buildings.	Clarification
TRANSPORT			
Tra 01	Criterion 3 and Evidence	Clarification that the criterion refers to the tenant or landlord.	Clarification
Tra 01	Criterion 3, option 2	Clarification that local authorities can also be consulted.	Clarification
Tra 03a	CN3.7	Correction regarding the terms for reduction of cycle spaces. The reduction in CN3.5 is 25%, not 50%.	Correction
Tra 03a	Methodology	The example calculation regarding required number of compliant cycle spaces has been corrected.	Correction
Tra 04	Table 29	Important information was missing from the table. This has been added.	Correction

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Tra 05 and Tra 06	Criteria text	Number of available credits has been corrected.	Correction
WATER			
Wat 01	Criteria text	Number of available credits has been corrected.	Correction
Wat 01	Table 33	Correction regarding the pressure for taps and showers.	Correction
Wat 04	CN3.1, point 2	Clarification regarding the collection of greywater.	Clarification
MATERIALS			
Mat 01	Relevant definitions, Environmental product declaration	The required version of the applicable standards has been clarified.	Correction/clarification
Mat 06	Other information	The version of the BS 8895 standard has been clarified.	Correction/clarification
Mat 07	Table 41 and 43	The tables have been clarified and the maximum concentration values have been revised in accordance with the Swedish Chemicals Agency (Kemikalieinspektionen) and Miljöbyggnad 3.0. Classification according to KIFS 2005:7 is no longer relevant.	Correction/clarification
Mat 07	Other information	Clarification regarding evaluation systems and systems for logbook.	Clarification
WASTE			
Wst 03a	CN3	Clarification regarding required size for waste management facilities.	Correction/clarification

MARKANVÄNDNING OCH EKOLOGI			
LE 02	Table 47	The table has been updated to better reflect Swedish conditions.	Correction/clarification
LE 05	Criteria text	Number of available credits has been corrected.	Correction
FÖRORENINGAR			
Pol 01	Criteria 4 and 6	Correction regarding maximum DELC CO ₂ e emissions.	Correction
Pol 01	Other information, common refrigerants	The version of the EN 378-1 standard has been clarified.	Correction/clarification
Pol 02	Aim	Clarification that this issue focuses on local NO _x emissions.	Correction/clarification
Pol 02	Relevant definitions	The definition for NO _x emissions has been clarified.	Clarification
Pol 02	Other information	The text regarding district heating systems has been removed since it contradicts CN3.3.	Correction
Pol 03	CN2, CN2.1 CN3.19	Correction regarding criteria applicability.	Correction
Pol 05	CN3.1 – CN3.4	CN3.1 – CN3.4 have been added.	Correction. These were accidentally removed during the formatting of BREEAM-SE 2017 1.0.
APPENDICES			
Appendix B	2.d and text concerning acute special educational needs schools	2.d and the text regarding acute educational need schools have been removed.	The text was not adjusted to Swedish conditions.

CHECKLISTS			
N/A	Checklist A1, 4a	Correction regarding the placement of lockers.	Correction
N/A	Checklist A6	The checklist has been removed as it is not applicable to BREEAM-SE 2017.	Correction