

# BREEAM UK New Construction 2014 Key updates from 2011 version

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## **BREEAM UK New Construction (NC) scheme**

### **update**

#### **Current**

- UK version 2011
- Being updated to 2014 version

#### **Why?**

- Changes to Key Regulations e.g. Part L 2013
- Accounting for new/updated standards e.g. new National Standards for SuDs
- CEN/TC350 European Standards: further alignment with relevant metrics/indicators
- Maintain recognition and reward for 'Best Practice' in sustainable construction
- Feedback from network of assessors, clients and other stakeholders, What's working / not working so well in the current standard

# BREEAM UK NC scheme update – key steps

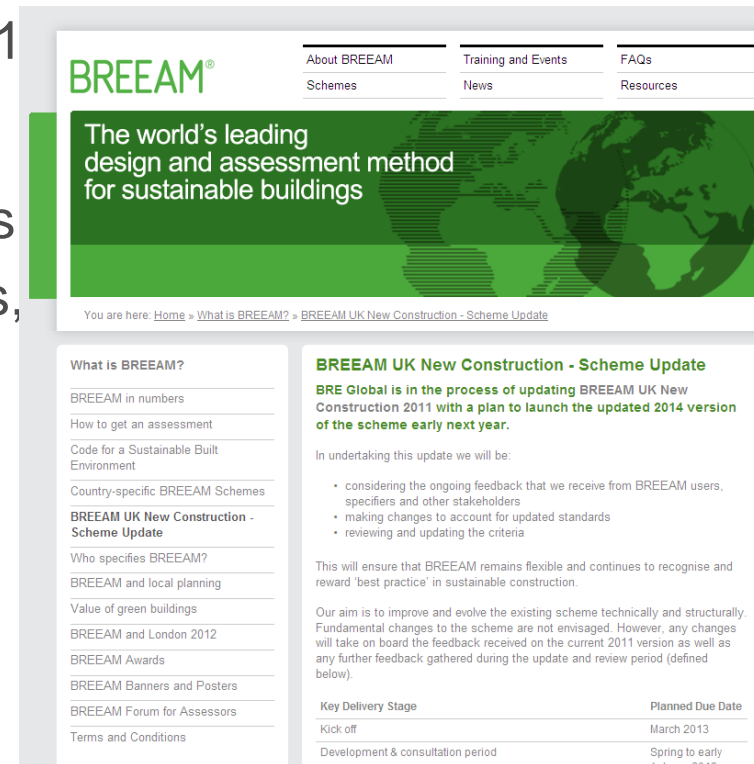
## 1. External Consultation Phase 1

- Consultation period: March – October 2011
- Two public surveys on the 2011 scheme
- Stakeholder meetings/workshops/reviews e.g. UK Green Building Council members, BSRIA, CPA, CIBSE, IoR, UKCG.

## 2. February 2014: Draft BREEAM New Construction 2014 published

## 3. External Consultation Phase 2

Consultation period: February – March 2014



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- BREEAM UK New Construction - Scheme Update**
- Who specifies BREEAM?
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- BREEAM Forum for Assessors
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**BREEAM UK New Construction - Scheme Update**

**BRE Global is in the process of updating BREEAM UK New Construction 2011 with a plan to launch the updated 2014 version of the scheme early next year.**

In undertaking this update we will be:

- considering the ongoing feedback that we receive from BREEAM users, specifiers and other stakeholders
- making changes to account for updated standards
- reviewing and updating the criteria

This will ensure that BREEAM remains flexible and continues to recognise and reward 'best practice' in sustainable construction.

Our aim is to improve and evolve the existing scheme technically and structurally. Fundamental changes to the scheme are not envisaged. However, any changes will take on board the feedback received on the current 2011 version as well as any further feedback gathered during the update and review period (defined below).

Key Delivery Stage	Planned Due Date
Kick off	March 2013
Development & consultation period	Spring to early Autumn 2013

[www.breeam.org/2014](http://www.breeam.org/2014)

# Technical Update



## Key technical changes for NC 2014

### Management category

- Category has been reviewed to better align with the building procurement processes. New issue headings are;
  - Project brief & design
  - LCC & service life planning
  - Responsible construction practices
  - Construction & handover
  - Aftercare

### Management



### Project Brief & Design

- Sustainability Champion (replaces BREEAM Accredited Professional credits)

### LCC & Service Life Planning

- New credit for reporting on project costs

## Key technical changes for NC 2014

### Visual Comfort

- Alternative option for daylight calculation: average illuminance & minimum illuminance

### Thermal Comfort

- New credit relating to adaptation to climate change

### Safety and Security

- Security Needs Assessment replaces Secured by Design related criteria

### Health & Wellbeing



## Key technical changes for the NC 2014

### Reduction of Energy use and CO<sub>2</sub> Emissions

- Methodology amended. Energy Performance Rating and credits are calculated based on the building regulations of the country where the building is located.

*Under BREEAM 2011 the Part L 2010 notional building was used as the baseline for all buildings assessed under BREEAM NC, regardless of their UK country location*

- Number of available credits reduced from 15 to 12

*Reflects the tightening of building regulations with respect to operational energy consumption from regulated fittings/systems and therefore the shifting of importance (and weighting) of impacts in BREEAM*

### Energy



## Key technical changes for the NC 2014

### Reduction of Energy Use and CO<sub>2</sub> Emissions

- Minimum standards adapted. CO<sub>2</sub> requirement removed

### Low Carbon Design (replaces Ene 04 LZC issue)

- LZC percentage carbon reduction targets removed
- LZC feasibility study & free cooling credits retained
- New credit for passive design

### Energy Efficient Laboratory Systems

- Revised criteria now relating to efficient design
- No longer applicable to schools

### Energy





## Key technical changes for the NC 2014

### Proximity to Amenities

- Now grouped into ‘core’ amenities & ‘additional’ amenities
- Clarifications e.g. ‘access to cash’ not ‘cash machine’

### Cyclist facilities

- Revised assessment criteria layout
- Large buildings & rural requirements reviewed (reductions for specific scenarios)

### Transport



## Key technical changes for the NC 2014

### *NO MAJOR CHANGES*

#### **Water Leak Detection**

- Issue restructured. Content broadly the same

#### **Water Efficient Equipment**

- Rationalised to focus on 'unregulated water' rather than specific aspects of e.g. irrigation & vehicle wash

**Water**



## Key technical changes for the NC 2014

### Responsible Sourcing of Materials

- Revised scoring mechanism
- Updated tier levels

### Designing for Durability & Resilience

- Change of name (formerly 'Designing for Robustness')
- New requirement relating to material degradation e.g. corrosion, rotting, discolouration

### Material Efficiency – *New Issue*

- *Aim: to recognise and encourage measures to optimise material efficiency to minimise environmental impact of material use and waste.*

### Materials



## Key technical changes for the NC 2014

### *NO MAJOR CHANGES*

#### **Construction Waste Management**

- Reviewed resource efficiency benchmarks but no change
- Terminology: ‘resource management plans’ replace ‘site waste management plans’

#### **Recycled Aggregates**

- Benchmarks updated

**Waste**



## Key technical changes for the NC 2014

### Functional Adaptability – *New Issue*

- *Aim: To recognise and encourage measures taken to accommodate future changes of use of the building over its lifespan.*
- Including;
  - the internal environment to accommodate changes in working practices
  - the internal physical space and external shell to accommodate change in use
  - Design for ease of replacement of all major plant within the life of the building
  - Ability for major refurbishment, including replacing the façade

**Waste**



## Key technical changes for the NC 2014

### Land Use and Ecology Category

- Review informed by steering group ecology experts
- Clarifications and movement of criteria
- First stage of wider review beyond the scope of 2014

### LU&E



## Key technical changes for the NC 2014

### *NO MAJOR CHANGES*

#### Impact of Refrigerants

- New standards incorporated (BS EN 378:2008)
- Clarifications to automated shutdown criteria

#### NO<sub>x</sub> Emissions

- Reviewed but no change in NO<sub>x</sub> levels

#### Pollution



## BREEAM UK NC 2014 - Weightings

- Review of weightings in recognition of regulatory improvements when assessing the energy performance of new buildings
- Outputs supported the recalculation of the Energy section and adjustment of other environmental section weightings accordingly

Environmental Section	2011 Weighting	2014 Weighting
Management	12%	12%
Health and Wellbeing	15%	15%
Energy	19%	15%
Transport	8%	9%
Water	6%	7%
Materials	12.5%	13.5%
Waste	7.5%	8.5%
Land Use and Ecology	10%	10%
Pollution	10%	10%



## Next steps in the update

- BREEAM UK NC 2014 scheme live 27th May 2014
- Operational update underway e.g. assessment tools, website, extranet, training course etc.

The screenshot shows the BREEAM website interface. At the top, there is a navigation menu with links for 'About BREEAM', 'Schemes', 'Training and Events', 'News', 'FAQs', and 'Resources'. Below the menu is a green banner with the text 'The world's leading design and assessment method for sustainable buildings' and a globe graphic. A breadcrumb trail indicates the current page: 'You are here: Home » What is BREEAM? » BREEAM UK New Construction - Scheme Update'.

The main content area is titled 'BREEAM UK New Construction - Scheme Update'. It states: 'BRE Global is in the process of updating BREEAM UK New Construction 2011 with a plan to launch the updated 2014 version of the scheme early next year.' It lists the following points for the update:

- considering the ongoing feedback that we receive from BREEAM users, specifiers and other stakeholders
- making changes to account for updated standards
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It also mentions that this will ensure BREEAM remains flexible and continues to recognise and reward 'best practice' in sustainable construction. The aim is to improve and evolve the existing scheme technically and structurally, with fundamental changes not envisaged. Feedback from the current 2011 version and further feedback during the update period will be taken into account.

A table at the bottom of the page outlines the key delivery stages and planned due dates:

Key Delivery Stage	Planned Due Date
Kick off	March 2013
Development & consultation period	Spring to early Autumn 2013

## Questions



**Thank you**

