

4	ENERGY USE	4.P PREREQUISITE	
		EU P1 MINIMUM ENERGY PERFORMANCE	
	EXCLUSIONS	None.	
	OBJECTIVE	Establish the minimum level of energy performance for the systems serving project spaces.	
	REQUIREMENT	Demonstrate compliance with the latest edition of Building Energy Codes (BEC).	
	ASSESSMENT	<p>As of 21 September 2012, The Buildings Energy Efficiency Ordinance is in full operation; all newly registered BEAM Plus projects shall comply with the minimum energy efficiency requirements governing building services installations defined in the Ordinance, that includes lighting installation, air-conditioning installation, electrical installation and lift and escalator installation, covered by the BEC.</p> <p>The Client shall submit documents to demonstrate compliance with the pertinent sections of the latest BEC that include, but are not limited to:</p> <ol style="list-style-type: none"> a) plans and specifications showing details of scope of work, all pertinent data, features, equipment and systems of the project area including complete descriptions of materials, engineering data, test data, manufacturer's data, and all other data necessary to allow proper identification of components that affect the project area's energy use; and b) an energy analysis report prepared and certified by a qualified professional person. The energy analysis report shall include a formal certifying statement informing the scope of compliance and confirming the compliance with the BEC either by Prescriptive or Performance Option. The statement shall be accompanied by a set of documents, including as-fitted/installation drawings, design calculations and standard forms as required in the BEC. On the use of performance approach to demonstrate compliance, the statement shall include a report describing the simulation software, the simulation results, and the modeling assumptions. <p>Documents issued by the certifying body of the BEC, which confirm compliance, are recognised as an acceptable alternative to the submission of documents a) and b) above.</p>	<div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div>
	BACKGROUND	Compliance with the Building Energy Codes [1] can reduce energy consumption and operating costs. The power plants in Hong Kong mainly use coal and natural gas as fuel to generate electricity. The reduction of energy leads to the saving of fossil fuels, and reduces carbon dioxide emissions which contribute to global climate change.	

1 Code of Practice for Energy Efficiency of Building Services Installation - Electrical and Mechanical Services Department HKSAR



Circular Letter No.: 2018.147 (Revision 2)

Issue Date: 14 May 2018

Revision Date: 3 May 2019

Application: BEAM Plus NB Version 1.1 & 1.2
BEAM Plus EB Version 1.1 & 1.2
BEAM Plus EB Version 2.0 Comprehensive Scheme and Selective Scheme
BEAM Plus BI Version 1.0

Effective Date: 3 May 2019

**Compliance of Building Energy Code & Energy Audit Code and
Baseline Criteria for Energy Simulation**

The Circular Letter clarifies the assessment requirement on the following pre-requisites and credits, which relates to the compliance of Building Energy Code (BEC) & Energy Audit Code (EAC) and the baseline standard for energy simulation:

- EU P1, EU 1 & EU 2 under BEAM Plus New Buildings v.1.1 & 1.2.
- EU P1, EU 1 & EU 2 under BEAM Plus Existing Buildings v.1.1 & 1.2.
- EU P1 & EU 2 under BEAM Plus v.2.0 Comprehensive Scheme and
EU 2 under BEAM plus v.2.0 Selective Scheme
- EU 1 under BEAM Plus Interiors v.1.0

1. **Technical Circular Letter No. 2016.132 dated 19 April 2016 and 2016.133 dated 13 May 2016 are hereby withdrawn.**
2. All submissions regarding the abovementioned pre-requisites and credits shall observe the requirements as indicated below:

BEAM Plus New Buildings v.1.1/1.2

3. The assessment criteria for EU P1 has been clarified as follows:
 - i. For ALL projects undergoing Provisional Assessment (PA), the Applicant shall provide (a) an undertaking letter endorsed by the developer¹ or the project's Registered Energy Assessor (REA) or (b) duly completed Form EE-1 endorsed by developer or project's REA or (c) approval records of Stage One Declaration issued by Electrical and Mechanical Services Department (EMSD) declaring the BEC Edition that the building service installations in the development intends to follow².

¹ Developer means the owner of the land on which the building is built or will be built, in relation to a building or a proposed building. It shall have the same definition as the "Name of Owner / Developer" on the Project Information Fact Sheet.

² The wording of this paragraph has been updated on 3 May 2019.

