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Application: BEAM Plus NB Version 2.0

Effective Date: 1 October 2022

Review on Performance Benchmarking for Room Air-conditioners for EU P1 and EU 2 Option 2 – Prescriptive Path Under BEAM Plus New Buildings Version 2.0

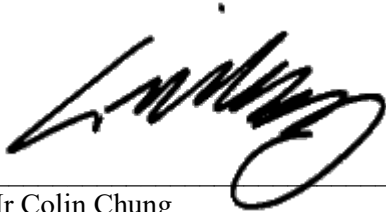
1. This Circular Letter announces the update of the benchmarking criteria for energy efficiency of room air-conditioners (i.e. single package window type and wall mounted split type) against the Code of Practice on Energy Labelling of Products (“the CoP”) under the Energy Efficiency (Labelling of Products) Ordinance (Cap. 598) in the assessment for EU P1 and EU 2 Option 2 - Prescriptive Path, BEAM Plus New Buildings Version 2.0.
2. To better align the assessment criteria for EU P1 and EU 2 Option 2 – Prescriptive Path under BEAM Plus New Buildings Version 2.0 against the latest edition (i.e. 2020) of the CoP, this Circular Letter hereby announces the arrangement as follows:
 - Projects that are submitting for the first assessment submission¹ before the effective date of this Circular Letter will be allowed to opt for the assessment with the performance benchmarking against the 2018 edition of the CoP or voluntarily adopt the 2020 edition of the CoP as the benchmarking criteria.
 - Projects that are submitting for the first assessment submission on or after the effective date of this Circular Letter shall adopt the 2020 edition of the CoP as the benchmarking criteria.
3. For EU P1 and EU 2 Option 2 – Prescriptive Path, the following updates shall be applied for projects which adopt the 2020 edition of the CoP as the benchmarking criteria. The room air-conditioners shall use the equipment efficiency equivalent to the Energy Efficiency Grade 2 as the basis for the comparison, under Mandatory Energy Efficiency Labelling Scheme (MEELS), Energy Efficiency (Labelling of Products) Ordinance (Cap. 598), using cooling seasonal performance factor (CSPF), F_{csp} .

The updated benchmarking criteria for the room air-conditioners in the below table with reference to the 2020 edition of the CoP shall be adopted for both BEC Governing Building Types and Non-BEC Governing Building Types:

Type of air-conditioners	Cooling Seasonal Performance Factor (CSPF), F_{csp}
Single Package Type (Categories 1 - 2)	3.5
Split Type (Categories 3 - 4)	

¹ First assessment submission refers to the date when the initial assessment is formally accepted by BSL. For example, if the project has both PA and FA, then it would be the date when BSL formally accepts the project for PA submission. If the project has only FA, then it will be the date when BSL formally accepts the project for FA submission.

4. Approved PA Projects: For projects that have already completed PA (including 1st Stage PA) with certain energy benchmarking criteria being approved, the Applicant may either continue to adopt the same energy benchmarking criteria for subsequent assessments² or voluntarily comply with this Technical Circular. For the avoidance of doubt, the Applicant shall provide evidence (e.g. extract of the PA/ 1st Stage PA report, documents submitted for assessment in PA/ 1st Stage PA, etc.) in subsequent assessments to support the intention of using the same energy benchmarking.



Ir Colin Chung
Chairperson of Standards Sub-committee

² Subsequent assessments refer to the assessments conducted after the completion of the 1st Stage PA / PA (e.g., 2nd Stage PA, PA re-assessment, FA, etc.).