



Circular Letter No.: 2020.169 (Revision 1)

Issue Date: 5 June 2020

Revision Date: 28 January 2022

Application: BEAM Plus NB Version 1.1 and 1.2

Effective Date: All first assessment submission¹ made on or after 4 January 2021

**EU 3 Embodied Energy in Building Structural Elements &
IA 2 Embodied Carbon During Construction Stage**

1. Construction Industry Council (CIC) has introduced the CIC Carbon Assessment Tool to facilitate the understanding of embodied carbon of construction materials and carbon emissions of on-site construction process.
2. To encourage the project proponents to make wider use of the CIC Carbon Assessment Tool, the Circular Letter announces an update to the credit requirement for EU 3 as follows:
 - 1 credit for demonstrating the embodied carbon for (a) permanent works – substructure and (b) permanent works – superstructure have been studied through the “design input” module for the CIC Carbon Assessment Tool or similar assessment tools.
 - 1 BONUS credit for demonstrating that the materials used for (a) permanent work – substructure and (b) permanent works – superstructure have a low embodied carbon in the as-built design than the original design, with the result of the study generated from the “construction input” module of the CIC Carbon Assessment Tool or similar assessment tools.
3. To incentivise the project proponents in studying the embodied carbon during the construction stage, BONUS credit will also be awarded under IA 2 Performance Enhancements. The requirement for achieving the BONUS credit is as follows:
 - 1 BONUS credit for providing a full embodied carbon assessment inclusive of (a) permanent works – substructure, (b) permanent works – superstructure, (c) temporary works and (d) site impact using the “construction input” module of the CIC Carbon Assessment Tool or similar assessment modules.

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 with certain life cycle assessment methodology approved, the Applicant may continue to adopt the same methodology for subsequent assessments or voluntarily comply with this Technical Circular. For the avoidance of doubt, the Applicant shall provide evidences to support the intention of using the same life cycle assessment methodology in subsequent assessments (e.g. extract of the PA report, documents submitted for assessment in PA, etc).



Ir SK Ho
Chairperson of Standards Sub-committee