



**GLOBAL  
CARBON  
COUNCIL**

Driving Climate Actions

# Clarification No. 03

**V1.0 – 2022**



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## 1. Introduction

1. The GCC Program Framework<sup>1</sup> in section 14 provides the information on 'GCC Documentation Framework', which defines various types of GCC documents including the 'Information Documents'. The 'Information Documents' has further been classified into a sub-type of regulatory document called as 'Clarifications', which provides clarifications on unclear GCC requirements or introduce new requirements.
2. GCC Program has received many requests from the stakeholders informing about the non-availability of the data required to calculate grid emission factor as per the CDM Tool 07: "Tool to calculate the emission factor for an electricity system". In view of this situation, a lot of potential projects cannot move forward and therefore have requested to allow alternate approaches to calculate the grid emission factor.
3. The GCC methodology GCCM001, paragraph 24 provides four additional options to calculate the baseline grid emission factor other than using Combined margin CO2 emission factor for grid connected power generation in year y calculated using the latest version of the Tool 07: "Tool to calculate the emission factor for an electricity system" (t CO2/MWh) of the CDM;
4. In order to remove the barriers for the project development, GCC would like to extend the options for calculation of grid emission factor in a similar way as provided in the GCCM001 to those potential projects which intend to apply CDM methodologies ACM0002 and AMS.I.D.

## 2. Scope

5. This document provides clarification on additional options to determine grid emission factor for GCC renewable energy projects applying CDM methodology ACM0002 and AMS.I.D. The potential extension to other methodologies may be carefully investigated and integrated in the future.

## 3. Entry into Force

6. This document enters into force immediately from the date of its publication.
7. This document in itself is a transitional document and will at later point in time be reflected through-out the revised versions of regulatory documents, mainly into Project Standard, Verification Standard, Program Process and forms such as PSF, etc. This document will cease to be in force till this is approved after consolidation into the 'Project Standard' and other applicable regulatory documents in its next revision.

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<sup>1</sup> GCC documents are available here: [www.globalcarboncouncil.com/resource-centre.html](http://www.globalcarboncouncil.com/resource-centre.html)

#### **4. Additional options to determine grid emission factor for renewable projects applying ACM0002 and AMS.I.D**

8. For GCC projects applying CDM methodologies, ACM0002 and AMS.I.D, the following options can be applied by the project owner to determine the baseline grid emission factor, where applicable:
- (a) Using CDM Tool 07: “Tool to calculate the emission factor for an electricity system”;
  - (b) Latest available emission factor of the Grid in a country as approved by CDM standardized baseline;
  - (c) Latest available emission factor of the Grid in a country as approved by its relevant National Authority or Designated National Authority (DNA) under CDM or UNFCCC focal point, in case DNA doesn't exist;
  - (d) Latest IFI combined margin emission factors published on UNFCCC website<sup>2</sup>;
  - (e) Latest published Emission factor derived by International Energy Agency (IEA)<sup>3</sup>. This option can be used only if it is objectively demonstrated that options (a)-(d) above are not available.
9. If the project owner applies options 8(c) to 8(e) above, the latest available emission factor shall not be older than 3 years, at the time of submission of the project documentation for starting Global Stakeholder Consultation (GSC).
10. If the project owner applies option 8(e) above, the verifiers are requested to explicitly explain how it has concluded that option 8(a) to 8(d) are not applicable, by applying its best knowledge and in-depth research on the availability of the data in the host country.
11. If the project owner applies options 8(b) to 8(e) above, at the time of submission the project documentation for starting Global Stakeholder Consultation (GSC), the project owner shall choose to either apply ex-ante option or ex-post option and explicitly stated in the PSF.
12. The project owners shall not apply the approach stipulated in paragraph 8(d) and 8(e) above for estimation of project and leakage emissions.

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<sup>2</sup> <https://unfccc.int/climate-action/sectoral-engagement/ifis-harmonization-of-standards-for-ghg-accounting/ifi-twg-list-of-methodologies>

<sup>3</sup> <http://data.iea.org/payment/products/122-emissions-factors.aspx>



**DOCUMENT HISTORY**

| <b>Version</b> | <b>Date</b> | <b>Comment</b>  |
|----------------|-------------|---|
| V 1.0          | 18/04/2022  | <ul style="list-style-type: none"><li>Initial version released for approval by the Steering Committee as per the GCC Program Process.</li></ul> |



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