



## Proposed standardized baseline submission form (Version 02.0)

*To be used by a designated national authority (DNA) when submitting a proposed standardized baseline in accordance with the "Procedure: Development, revision, clarification and update of standardized baselines" (CDM-EB63-A28-PROC).*

### INFORMATION TO BE COMPLETED BY THE DNA

<b>Title of the proposed standardized baseline:</b>	Rwanda Grid Emission Factor
<b>Name(s) of the Party or Parties to which the proposed standardized baseline applies:</b>	Rwanda
<b>DNA submitting this form:</b>	Rwanda
<b>Is this one of the first three submissions for a Party with 10 or fewer than 10 registered CDM project activities as of 31 December 2010?</b> <i>(For such a Party, the submission of an assessment report may be omitted. Not required to check Yes or No if the submission is for a group of Parties.)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Attachments:</b>	
<input checked="" type="checkbox"/> Additional documentation supporting the submission (e.g. relevant data, documentation, statistics, studies, calculation tables, etc.), where applicable <input checked="" type="checkbox"/> Data used to establish the proposed standardized baseline <input type="checkbox"/> An assessment report on the quality of the data collection, processing and compilation prepared by a designated operational entity (DOE) <p>In accordance with the procedure "Development, revision, clarification and update of standardized baselines", v 03.0, as Rwanda is a Party with 10 or fewer registered CDM project activities as of 31 December 2010 and this is the first submission of a SB, the DOE assessment report was omitted.</p> <input checked="" type="checkbox"/> Letters of approval of all the DNAs of the Parties to which the proposed standardized baseline applies, where the standardized baseline applies to a group of Parties	
<b>Name of authorized officer signing for the DNA:</b>	Dr. ROSE MUKANKOMEJE
<b>Date (DD/MM/YYYY) and signature for the DNA:</b>	21 <sup>th</sup> May, 2014
<b>Contact information of the focal point(s) of the DNA:</b> <i>(Names, email-addresses and phone contacts for procedural and technical communication on the submission)</i>	Ms UWIMANA IMMACULEE RwandaDNA@gmail.com +250788871527
<b>Name(s) of the proponent(s) of the proposed standardized baseline:</b>	Rwanda DNA
<b>Affiliation of the proponent(s):</b> <i>(The definition of "admitted observer organization" can be found at <a href="http://unfccc.int/resource/ngo/art7_6.pdf">http://unfccc.int/resource/ngo/art7_6.pdf</a>)</i>	<input checked="" type="checkbox"/> Party <input type="checkbox"/> Project Participant (PP) <input type="checkbox"/> International Industry Organization

PROPOSED STANDARDISED BASLINE  
(CDM-PSB) - Version 02.0



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	<input type="checkbox"/> Admitted Observer Organization
<b>Contact information of the focal point(s) of the proponent (s):</b> <i>(Names, email-addresses and phone contacts for procedural and technical communication on the submission. Not required to complete this section if the DNA(s) is(are) the proponent(s) of the proposed standardized baseline.)</i>	



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**Proposed standardized baseline submission form  
CDM-PSB-FORM (Version 02.0)**

**Title: Grid Emission Factor for Rwanda**

**Submission date: 26<sup>th</sup> May, 2014**

**Version number: 1.0**

**Approach**

The Standardized Baseline (SB) was developed using the methodological tool Methodological Tool “Tool to Calculate the Emission Factor for an Electricity System” Version 4.0.

**Elements to be standardized**

*Please check below all the elements to be standardized by the proposed standardized baseline.*

- ☐ Additionality demonstration
- ☐ Baseline identification
- ☒ Baseline emission/removal estimation
- ☐ Land eligibility demonstration (applicable only to afforestation and reforestation project activities).

**Further inputs requested to the DNA (To be completed by the secretariat)**

*Please provide a list of additional information and/or modifications that are required.*



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**SECTION A: PROPOSED STANDARDIZED BASELINE DEVELOPED USING THE  
“GUIDELINES FOR THE ESTABLISHMENT OF SECTOR SPECIFIC STANDARDIZED  
BASELINES”**

*Please complete this section only when the proposed standardized baseline is developed using the  
“Guidelines for the establishment of sector specific standardized baselines”.*

**Not applicable**

**Applicability of the proposed standardized baseline**

*Please provide the following information:*

- *The host country(ies) or region(s) within a host country to which the proposed standardized baseline is applicable. In case of disaggregation by region(s) within a host country, please document transparently the geographical boundaries of the region (e.g. provinces, electric grids, etc).*
- *Other factors for disaggregation (e.g. output capacity, age of facilities) relating to the applicability of the proposed standardized baseline.*
- *The sector(s) to which the proposed standardized baselines is applied. Note that a sector refers to a segment of a national economy that delivers defined output(s) (e.g. clinker production, domestic / household energy supply). The sector is characterized by the output(s)  $O_i$  it generates.*
- *The output to which the proposed standardized baseline is applied, i.e. the goods or services with comparable quality, properties, and application areas (e.g. clinker, lighting, residential cooking).*
- *The measure(s) to which the proposed standardized baseline is applicable is/are:*
  - ☐ Fuel and feedstock switch;
  - ☐ Switch of technology with or without change of energy source (including energy efficiency improvement);
  - ☐ Methane destruction;
  - ☐ Methane formation avoidance.

**Additionality demonstration**

*Please explain how the “Guidelines for the establishment of sector specific standardized baselines” were applied to demonstrate additionality and develop a positive list of project activities or programme of activities that are deemed additional. Follow the steps and guidance of the “Guidelines for the establishment of sector specific standardized baselines”. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*



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#### **Baseline identification**

*Please explain how the “Guidelines for the establishment of sector specific standardized baselines” were applied to identify the baseline for the measures. Follow the steps and guidance of the “Guidelines for the establishment of sector specific standardized baselines”. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

#### **Baseline emission factor estimation**

*Please explain how the “Guidelines for the establishment of sector specific standardized baselines” were applied to determine a baseline emission factor. Follow the steps and guidance of the “Guidelines for the establishment of sector specific standardized baselines”. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

#### **Use of the proposed standardized baseline with an approved methodology**

*Please explain how the proposed standardized baseline will be used with the latest version(s) of a relevant approved methodology(ies) i.e. how the approved methodology(ies) will be used in conjunction with the proposed standardized baseline. Please take into account and/or describe the following:*

- *A standardized baseline derived from the “Guidelines for the establishment of sector specific standardized baselines” will include demonstration of additionality, identification of the baseline scenario and the determination of baseline emissions;*
- *Which parts of the relevant methodology(ies) (such as applicability, project boundary, project emissions, leakage emissions and monitoring) will be used with the standardized baseline; and*
- *Additional provisions on applicability, project boundary, project emissions, leakage emissions and monitoring to be included in the standardized baseline.*

*If an approved methodology to be used with the proposed standardized baseline is not available, a new or revised methodology shall be proposed in accordance with the “Procedure: development, revision and clarification of baseline and monitoring methodologies and methodological tools”. In this case, please indicate the title of the proposed new methodology or proposed revised methodology.*

#### **Validity of the proposed standardized baseline**

*Please state the period of time for which the proposed standardized baseline is valid. Please note that Appendix I of the “Guidelines for the establishment of sector specific standardized baselines” provide interim values for data vintage and the frequency of update.*

#### **Deviations from the guidelines (if applicable)**

*Please provide descriptions of and justifications for any deviations from the “Guidelines for the establishment of sector specific standardized baselines” to develop the proposed standardized baseline.*

PROPOSED STANDARDIZED BASELINE SUBMISSION FORM  
(CDM-PSB-FORM) - Version 02.0



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**References and any other information**



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## **SECTION B: PROPOSED STANDARDIZED BASELINE DEVELOPED USING A METHODOLOGICAL APPROACH CONTAINED IN AN APPROVED METHODOLOGY**

*Please complete this section only when the proposed standardized baseline is developed using a methodological approach contained in the latest version of an approved methodology.*

**Not applicable**

### **Applicability of the proposed standardized baseline**

*Please state the host country(ies) or region(s) within a host country to which the proposed standardized baseline is applicable. In case of region(s) within a host country, please document transparently the geographical boundaries of the region (e.g. provinces, electric grids, etc).*

### **Additionality demonstration (if applicable)**

*Please explain how a standardized procedure is developed for additionality demonstration according to the methodological approach contained in the latest version of the approved methodology. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

### **Baseline identification (if applicable)**

*Please explain how the methodological approach contained in the latest version of the approved methodology was applied to identify the baseline. Follow the steps and guidance of the approved methodology. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

### **Baseline emission estimation (if applicable)**

*Please explain how the methodological approach contained in the latest version of the approved methodology was applied to estimate the baseline emissions of a project activity or programme of activities in (a) country(ies) or region. Follow the steps and guidance of the approved methodologies. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner. Note that the underlying methodology has to provide a methodological approach to derive the baseline emissions for a country or region in order to apply this step.*

### **Use of the proposed standardized baseline with the approved methodology**

*Please explain how the proposed standardized baseline will be used with the latest version of the relevant approved methodology(ies), i.e. which (parts of) the approved methodology(ies) are replaced by the proposed standardized baseline.*

PROPOSED STANDARDIZED BASELINE SUBMISSION FORM  
(CDM-PSB-FORM) - Version 02.0



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**Validity of the proposed standardized baseline**

*Please state the period of time for which the proposed standardized baseline is valid in accordance with, if any, the relevant requirements contained in the latest version of the approved methodology. If the approved methodology does not contain the relevant requirements, please note that Appendix I of the “Guidelines for the establishment of sector specific standardized baselines” provide interim values for data vintage and the frequency of update.*

**Deviations from the approved methodology (if applicable)**

*Please provide descriptions of and justifications for any deviations from the latest version of the approved methodology to develop the proposed standardized baseline.*

**References and any other information**



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### **SECTION C: PROPOSED STANDARDIZED BASELINE DEVELOPED USING A METHODOLOGICAL APPROACH CONTAINED IN AN APPROVED TOOL**

*Please complete this section only when the proposed standardized baseline is developed using a methodological approach contained in the latest version of an approved tool. An example for this is the application of the “Tool to calculate the emission factor for an electricity system” to estimate the emission factor for an electric grid.*

#### **Applicability of the proposed standardized baseline**

*Please state the host country(ies) or region(s) within a host country to which the proposed standardized baseline is applicable. In case of region(s) within a host country, please document transparently the geographical boundaries of the region (e.g. provinces, electric grids, etc).*

Rwanda

#### **Baseline emission factor estimation**

*Please explain how the methodological approach contained in the approved tool was applied to estimate the baseline emission factor. Follow the steps and guidance of the approved tool. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner. Note that the underlying tool has to provide a methodological approach to derive the baseline emission factor for a country or region in order to apply this step. This applies, for example, to the methodological tool “Tool to determine the emission factor of an electricity system”.*

The “Tool to Calculate the Emission Factor for an Electricity System” Version 4.0 was followed step by step. The details can be seen in the attached report.

Data from the Rwanda Energy, Water and Sanitation Authority (EWSA) was provided in March 2014. Please refer to the attached report for further information about data, data sources, assumptions, calculation steps and outcomes.

#### **Validity of the proposed standardized baseline**

*Please state the period of time for which the proposed standardized baseline is valid in accordance with, if any, the relevant requirements contained in the approved tool(s). If the approved tool(s) does(do) not contain the relevant requirements, please note that Appendix I of the “Guidelines for the establishment of sector specific standardized baselines” provide interim values for data vintage and the frequency of update.*

The SB may be used for any methodology and/or tool which refers to the “Tool to Calculate the Emission Factor for an Electricity System”.

PROPOSED STANDARDIZED BASELINE SUBMISSION FORM  
(CDM-PSB-FORM) - Version 02.0



CDM – Executive Board

**Deviations from the approved tool (if applicable)**

*Please provide descriptions of and justifications for any deviations from the approved tool to develop the proposed standardized baseline.*

Not applicable

**References and any other information**

Information about references is included in the attached report.



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**SECTION D: PROPOSED STANDARDIZED BASELINE DEVELOPED USING THE  
“GUIDELINE: ESTABLISHMENT OF STANDARDIZED BASELINES FOR  
AFFORESTATION AND REFORESTATION PROJECT ACTIVITIES UNDER THE CDM”**

*Please complete this section only when the proposed standardized baseline is developed using the guideline “Establishment of standardized baselines for afforestation and reforestation project activities under the CDM”.*

**Not applicable**

**Applicability of the proposed standardized baseline**

*Please provide the following information:*

- *The host country(ies) or region(s) within a host country to which the proposed standardized baseline is applicable. In case of region(s) within a host country, please document transparently the geographical boundaries of the region (e.g. administrative units, geo-referenced coordinates).*

**Additionality demonstration**

*Please explain how the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM” was applied to demonstrate additionality of A/R CDM project activities undertaken in the areas of land included under the scope of the proposed standardized baseline. Please document all relevant data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

**Baseline identification**

*Please explain how the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM” was applied to determine the baseline of A/R CDM project activities undertaken in the areas of land included under the scope of the proposed standardized baseline. Please document all relevant data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

**Baseline removals estimation (if applicable)**

*Please explain how the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM” was applied to estimate the net GHG removals in the baseline of A/R CDM project activities undertaken in the areas of land included under the scope of the proposed standardized baseline. Please document all relevant data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*



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**Land eligibility demonstration (if applicable)**

*Please explain whether eligibility of the lands included under the scope of the proposed standardized baseline for CDM is confirmed by the proposed standardized baseline.*

*If not, please explain whether well-defined approaches for demonstrating eligibility of lands for the CDM have been provided which will help the project participants in demonstrating eligibility of the lands under their projects.*

*In either case, please document all relevant data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

**Validity of the proposed standardized baseline**

*Please state the period of time for which the proposed standardized baseline is valid.*

**Deviations from the guideline (if applicable)**

*Please provide descriptions of and justifications for any deviations from the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM” to develop the proposed standardized baseline.*

**References and any other information**

PROPOSED STANDARDIZED BASELINE SUBMISSION FORM  
(CDM-PSB-FORM) - Version 02.0



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**Document information**

<i>Version</i>	<i>Date</i>	<i>Description</i>
02.0	1 December 2013	<p>The document title has changed from “Proposed standardized baseline form” (F-CDM-PSB) to “Proposed standardized baseline submission form” (CDM-PSB-FORM).</p> <p>Revision to:</p> <ul style="list-style-type: none"><li>• Reflect updated requirements in the “Procedure: Development, revision, clarification and update of standardized baselines”</li><li>• Include editorial improvement</li></ul>
01.0	23 March 2012	Initial publication.
<p>Decision Class: Regulatory Document Type: Form Business Function: Methodology Keywords: standardized baselines</p>		