



## Proposed standardized baseline recommendation form (Version 02.1)

**INFORMATION TO BE COMPLETED BY THE TWO SELECTED MEMBERS OF THE PANEL/WORKING GROUP  
OR THE WHOLE PANEL/WORKING GROUP**

<b>Title of the proposed standardized baseline:</b>	Grid emission factor of the electricity system of Southern African Power Pool
<b>Reference number of the proposed standardized baseline:</b>	PSB0044
<b>Name(s) of the Party or Parties to which the proposed standardized baseline applies:</b>	<ul style="list-style-type: none"> <li>• Republic of Botswana;</li> <li>• Democratic Republic of Congo;</li> <li>• Kingdom of Lesotho;</li> <li>• Republic of Mozambique;</li> <li>• Republic of Namibia;</li> <li>• Republic of South Africa;</li> <li>• Kingdom of Swaziland;</li> <li>• Republic of Zambia, and</li> <li>• Republic of Zimbabwe.</li> </ul>
<b>DNA submitting the proposed standardized baseline:</b>	Republic of Botswana
<b>Name(s) of the proponent(s) of the proposed standardized baseline:</b> <i>(Parties, project participants, international industry organizations or admitted observer organizations)</i>	Mr Balisi Gopolang Department of Meteorological Services, Ministry of Environment, Natural Resources Conservation and Tourism
<b>History of the submission:</b>	13/04/2018: First submission received 19/04/2018: Initial assessment concluded 23/05/2018: Second submission received 20/07/2018: Third submission received 13/08/2018: Forth submission received
<b>Date (DD/MM/YYYY) when the recommendation is completed:</b>	07/09/2018
<b>Approach(es) for the development of the proposed standardized baseline:</b>	
<input type="checkbox"/> The approach contained in the “Guidelines for the establishment of sector specific standardized baselines” <input type="checkbox"/> A methodological approach contained in an approved, proposed new or revised baseline and monitoring methodology (please specify below the exact reference (number, title and version) of the relevant methodology _____) <input checked="" type="checkbox"/> A methodological approach contained in an approved, proposed new or revised methodological tool “TOOL07: Tool to calculate the emission factor for an electricity system” (version 05.0) <input type="checkbox"/> The approach contained in the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM”	

**Important conditions under which the proposed standardized baseline is applicable:**

The scope of this standardized baseline covers the grid emission factor for Southern African Power Pool (SAPP) region. It was derived using the ex-ante data vintage option of the “Tool to calculate the emission factor for an electricity system”, version 5.0 (hereinafter referred to as “the grid tool”) based on 2013 – 2015 data vintage.

Clean development mechanism (CDM) project activities and programmes of activities (hereinafter referred as project activities) can apply this standardized baseline under the following conditions:

- (a) The project activity is implemented in any one of the following countries, which are the SAPP member countries and is connected to the SAPP;
  - (i) Republic of Botswana;
  - (ii) Democratic Republic of Congo;
  - (iii) Kingdom of Lesotho;
  - (iv) Republic of Mozambique;
  - (v) Republic of Namibia;
  - (vi) Republic of South Africa;
  - (vii) Kingdom of Swaziland;
  - (viii) Republic of Zambia, and
  - (ix) Republic of Zimbabwe.
- (b) The CDM approved methodology that is applied to the project activity requires the determination of CO<sub>2</sub> emission factor(s) through the application of the grid tool;
- (c) The project activity uses the ex-ante options for both the operating margin and build margin grid emissions factors, as described in the grid tool, and therefore no monitoring or recalculation of the emission factor during the crediting period is required.

The latest approved and valid values of this standardized baseline are the only values of the CO<sub>2</sub> emission factor(s) that shall be applied for the project electricity system in the SAPP member countries listed under sub-para (a) above.

**Summary description of the proposed standardized baseline:**

This standardized baseline provides values for the parameters mentioned in table 1.

**Table 1. Grid emission factors for interconnected electricity system of the SAPP**

Parameter	Unit	Description	Applicable project types	Applicable values		
				First crediting period	Second crediting period	Third crediting period
$EF_{grid, OM, y}$	tCO <sub>2</sub> /MWh	Operating margin CO <sub>2</sub> emission factor for interconnected electricity system of the SAPP	All project activities	1.0262	1.0262	1.0262
$EF_{grid, BM, y}$	tCO <sub>2</sub> /MWh	Build margin CO <sub>2</sub> emission factor for interconnected electricity system of the SAPP	All project activities	0.8700	0.8700	0.8700
$EF_{grid, CM, y}$	tCO <sub>2</sub> /MWh	Combined margin CO <sub>2</sub> emission factor for interconnected electricity system of the SAPP	All project activities except wind and solar power generation	0.9481	0.9091	0.9091
$EF_{grid, CM, y}$	tCO <sub>2</sub> /MWh	Combined margin CO <sub>2</sub> emission factor for interconnected electricity system of the SAPP	Wind and solar power generation project activities	0.9871	0.9871	0.9871

**Recommendation to the Board:**

- ☒ To approve the proposed standardized baseline  
☐ Not to approve the proposed standardized baseline

**Reasons for not approving the proposed standardized baseline (if any):**

NA

**Any other issues arising from the review of the proposed standardized baseline:**

NA

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**Document information**

Version	Date	Description
02.1	1 September 2015	Revision to include an editorial improvement.
02.0	1 December 2013	The document title has changed from "CDM recommendation form for proposed standardized baselines" (F-CDM-PSB-REC) to "Proposed standardized baseline recommendation submission form"

<i>Version</i>	<i>Date</i>	<i>Description</i>
		(CDM-PSBR-FORM). Revision to: <ul style="list-style-type: none"><li>• Reflect updated requirements in the “Procedure: Development, revision, clarification and update of standardized baselines”;</li><li>• Include an editorial improvement.</li></ul>
01.0	23 March 2012	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Methodology Keywords: standardized baselines		