



## CDM proposed standardized baseline form (Version 01.0)


*(To be used by a designated national authority (DNA) when submitting a proposed standardized baseline in accordance with the "Procedure for submission and consideration of standardized baselines".)*

### SECTION 1: GENERAL INFORMATION

<b>DNA submitting this form:</b>	Sao Tome and Principe (Directorate General for the Environment, Ministry of Public Works and Natural Resources)
<b>Developer of the standardized baseline:</b> <i>(Parties, project participants, international industry organizations or admitted observer organizations)</i>	UNEP Risoe Centre, Technical University of Denmark With technical support from RCC Lomé
<b>Party or Parties to which the standardized baseline applies:</b>	Democratic Republic of Sao Tome and Principe
<b>Sector to which the proposed standardized baseline applies:</b> <i>(the sector according to the definition of sector in the "Guidelines for the establishment of sector specific standardized baselines")</i>	Any sector involving emissions from the electricity grid system of Sao Tome island, either in baseline and/or project scenario including energy and energy industries as defined by UNFCCC.

### SECTION 2: LIST OF DOCUMENTS TO BE ATTACHED TO THIS FORM *(please check)*

- ☐ An assessment report presenting how the data was collected, processed and compiled to establish the proposed standardized baselines;
- ☐ Where the proposed standardized baseline applies to a group of Parties, letters of approval of all the DNAs of the Parties to which the standardized baseline applies;
- ☒ Additional documentation supporting the submission (e.g. relevant data, documentation, statistics, studies, calculation tables, etc.), when applicable.

<b>Name of authorized officer signing for the DNA:</b>	Mr. Arlindo de Ceita Carvalho
<b>Date and signature for the DNA:</b>	
<b>Name and contact details of the focal point(s) for any follow up communication:</b> <i>(all communication regarding procedural or technical issues will be sent to the focal point(s))</i>	Mr. Madival Alva das Neves <u>Address:</u> Direcção Geral do Ambiente Avenida Kwame N'kruma C.P. 1023, São Tomé São Tomé e Príncipe <u>Email:</u> <a href="mailto:madval15@hotmail.com">madval15@hotmail.com</a> <u>Telephone:</u> (+239) 222 5323 <u>Fax:</u> (+239) 222 7156

PROPOSED STANDARDISED BASLINE  
(CDM-PSB) - Version 01.0



CDM – Executive Board

SECTION BELOW TO BE COMPLETED BY THE UNFCCC SECRETARIAT	
CDM-PSB ID number:	
Date when the form was received at UNFCCC secretariat:	
Have <u>all</u> Parties for which the standardized baseline is applicable fewer than 10 registered CDM project activities as of 31 December 2010? (Y/N):	
CDM-PSB ID number and version: (to be completed by UNFCCC)	





**CLEAN DEVELOPMENT MECHANISM  
PROPOSED STANDARDIZED BASELINE  
(CDM-PSB)  
(VERSION 01.0)**

**“GRID EMISSION FACTOR OF SAO TOME AND PRINCIPE”**

**24 November 2013**

**Version 01.0**

**Source**

The proposed standardized baseline was developed using the methodological approach contained in the approved methodological tool "Tool to calculate the emission factor for an electricity system", version 4.0.

**Type of standardized baseline approach**

The standardized baseline is developed for:

- ☐ Additionality demonstration;
- ☐ Baseline identification;
- ☒ Baseline emission estimation.



CDM – Executive Board

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

This section should only be completed when the standardized baseline is developed using the “Guidelines for the establishment of sector specific standardized baselines”.

**Applicability of the standardized baseline**

*Not applicable.*

**Additionality demonstration**

*Not applicable.*

**Baseline identification**

*Not applicable.*

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

*Not applicable.*

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

*Not applicable.*

**Validity of the standardized baseline**

*Not applicable.*





CDM – Executive Board

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

This section should only be completed when the standardized baseline is developed using a methodological approach to estimate baseline emissions contained in an approved methodology or 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 a electric grid.

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

This standardized baseline is applicable to CDM Project activities located in the Democratic Republic of Sao Tome and Principe, Island of Sao Tome, connected to the national grid electricity system as defined in reference 1.

### **Baseline emission estimation**

Version 4.0 of the “Tool to calculate the emission factor for an electricity system” has been applied.

The details of all calculation steps, the data aggregation system, the assumptions and data sources are described in reference 1.

All data has been provided by Data on net electricity generation and fossil fuel consumption provided by the state's Water and Electricity Company, EMAE.

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

The proposed standardized baseline maybe used in all approved methodologies and tools which refer to the *Tool to Calculate the Emission Factor of an Electricity System*, in the specific cases where the electricity system of the CDM Project Activity is identical to that used to calculate the proposed standardized baseline.

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

The data vintage used in the calculation of the proposed standardized baseline is based on the three most recent years to which data is available at the time of submission of the proposed standardized baseline to the UNFCCC. The data vintage to establish the proposed standardized baseline is based on the years 2010, 2011 and 2012. Additionally, in accordance with the requirements of the tool, vintages of 2008 and 2009 were used for determination of the low-cost/must-run generation facilities for the most recent five years.

The standardised baseline shall be valid for a period of 3 years from the date of its adoption. The standardised baseline will be updated every three years after that based on the most recent available information at the time of the update as well as the relevant methodological tools and guidelines.



CDM – Executive Board

## REFERENCES AND ANY OTHER INFORMATION

1. UNEP Risoe Centre, *Grid Emission Factor of Sao Tome and Principe*, 2013

-----

### History of the document

Version	Date	Nature of revision(s)
01.0	23 March 2012	Initial publication.
<b>Decision Class:</b> Regulatory <b>Document Type:</b> Form <b>Business Function:</b> Methodology		