



**Proposed standardized baseline submission form  
(Version 04.0)**

*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>	Cape Verde Standardized baseline for the Power Sector
<b>Name(s) of the Party or Parties to which the proposed standardized baseline applies:</b>	Republic of Cabo Verde
<b>DNA submitting this form:</b>	<p>Ministério da Agricultura e Ambiente (Ministry of Agriculture and Environment) Cabo Verde</p> <p>Developed by</p> <p>Secretariat of the Ecowas Centre for Renewable Energy and Energy Efficiency (i.e. ECREEE)</p> <p>Under strong assistance of</p> <p>UNFCCC CDM Regional Collaboration Centre in Lome, Togo</p> <p>In collaboration with</p> <p>Cape Verde Ministry of Industry, Trade and Energy, national utility company Electra, AEB, and private renewable companies Cabeolica.</p>
<b>Is the proposed standardized baseline submitted by a single Party or group of Parties?</b>	<input checked="" type="checkbox"/> Single Party <input type="checkbox"/> Group of Parties

**Attachments:**

- ☒ A spreadsheet containing all data used and the calculations performed for the establishment of the standardized baseline, where applicable
- ☒ A quality control report prepared in accordance with the "Guideline: Quality assurance and quality control of data used in the establishment of standardized baselines", where applicable
- ☐ An assessment report prepared by a designated operational entity (DOE), where applicable
- ☒ Additional documentation supporting the submission (e.g. statistics and/or, studies, etc.), where applicable (Please specify: \_\_\_\_\_)
- ☐ Letters of approval on the proposed standardized baseline from all the DNAs of the Parties to which it applies (excluding the letter of the DNA submitting this proposed standardized baseline)

<b>Name of authorized officer signing for the DNA:</b>	Alexandre Nevsky Rodrigues
<b>Date (DD/MM/YYYY) and signature for the DNA:</b>	18 September 2019, Praia, Cape Verde





<b>Contact information of the focal point(s) of the DNA:</b> <i>(Names, e-mail addresses and phone contacts for procedural and technical communication on the submission)</i>	<p>For technical, procedural issues, request for information, please contact ECREEE keeping RCC Lome in copy:</p> <p>1. Mr. Heleno Sanches Renewable Energy Expert ECREEE Achada Santo Antonio, Electra Building, 2<sup>nd</sup> Floor, C.P. 288, Praia Cape Verde Email: <a href="mailto:HSanches@ecreee.org">HSanches@ecreee.org</a> Tel: + 238 260 4630 Fax: + 238 262 4614</p> <p>2. CDM RCC Lome, at <a href="mailto:rccclome@unfccc.int">rccclome@unfccc.int</a>, for providing assistance, support and facilitation.</p> <p>To keep in copy:</p> <p>3. Mr. Alexandre Nevsky Rodrigues, National Director of Environment Ministério da Agricultura e Ambiente (Ministry of Agriculture and Environment) Cabo Verde CP. 115, Chã de Areia, Praia, Cabo Verde Email: <a href="mailto:nevskyrodrigues@gmail.com">nevskyrodrigues@gmail.com</a></p>
<b>Name(s) of the proponent(s) of the proposed standardized baseline:</b>	Republic of Cabo Verde
<b>Affiliation of the proponent(s):</b> <i>(The definition of "admitted observer organization" can be found at <a href="https://cdm.unfccc.int/Reference/Guidclarif/glos_CDM.pdf">https://cdm.unfccc.int/Reference/Guidclarif/glos_CDM.pdf</a>)</i>	<input checked="" type="checkbox"/> Party <input type="checkbox"/> Project Participant (PP) <input type="checkbox"/> International Industry Organization <input type="checkbox"/> Admitted Observer Organization
<b>Contact information of the focal point(s) of the proponent(s):</b> <i>(Names, e-mail addresses and phone contacts for procedural and technical communication on the submission. This section does not need to be completed if the DNA(s) is(are) the proponent(s) of the proposed standardized baseline.)</i>	Same as above.

FINDINGS AND RESOLUTIONS	
<b>Reference number of the proposed standardized baseline:</b>	

*To be used when requesting further input or providing the requested input in accordance with the "Procedure: Development, revision, clarification and update of standardized baselines" (CDM-EB63-A28-PROC).*

<b>No.</b>	<b>Request for Input</b> <i>(To be filled by the secretariat, two selected members of the panel/working group or the panel/working group)</i>	<b>Response</b> <i>(To be filled by the DNA and proponent)</i>	<b>Assessment of the response</b> <i>(To be filled by the secretariat, two selected members of the panel/working group or the panel/working group)</i>
1	Date – (DD/MM/YYYY) Request for input –	Date – (DD/MM/YYYY) Response from DNA –	Date – (DD/MM/YYYY) Assessment of DNA's response –
2.	Date – (DD/MM/YYYY) Request for input –	Date – (DD/MM/YYYY) Response from DNA –	Date – (DD/MM/YYYY) Assessment of DNA's response –
3.	Date – (DD/MM/YYYY) Request for input –	Date – (DD/MM/YYYY) Response from DNA –	Date – (DD/MM/YYYY) Assessment of DNA's response –

*Add rows to the tables as needed.*



**Proposed standardized baseline submission form**  
**CDM-PSB-FORM (Version 04.0)**

**Title: “Cape Verde Standardized baseline for the Power Sector”**

**Submission date (dd/mm/yyyy): 18 September 2019**

**Version number: \_\_1\_\_**

**Approaches**

*Check below all the approaches used to develop the proposed standardized baseline and state the version and/or the reference (number, title, version) if applicable.*

- ☐ The approach contained in the “Guidelines for the establishment of sector specific standardized baselines” (Version: \_\_\_\_\_)
- ☐ A methodological approach contained in an approved, proposed new or revised baseline and monitoring methodology (reference: \_\_\_\_\_)
- ☒ A methodological approach contained in an approved, proposed new or revised methodological tool (reference: Tool to calculate the emission factor for an electricity system Version 07.0)
- ☐ The approach contained in the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM” (version: \_\_\_\_\_)

**Combination of the approaches (if applicable)**

*Provide a justification for the necessity and the appropriateness of the combination if more than one approach was used for the development of the proposed standardized baseline.*

**New or revised methodology or methodological tool (if applicable)**

*This section is applicable to the following situations:*

- If there is no approved methodology or methodological tool available that can be used for the development of the proposed standardized baseline, and if the proponent wishes develop a new methodological approach by submitting a new methodology or methodological tool or revise the approach contained in an approved methodology or methodological tool, and/or*
- If there is no approved methodology available to be used together with the proposed standardized baseline for the estimation of emission reductions, and the proponents wishes to develop new methodology or revise the existing approved methodology.*

*Check below how the new or revised methodology or methodological tool is/was submitted for approval by the CDM Executive Board and for what purpose in accordance with the “Procedure: development, revision and clarification of baseline and monitoring methodologies and methodological tools”. In this case, indicate below the title of the new or revised methodology or methodological tool if applicable:*

- *New or revised methodology or methodological tool<sup>1</sup>:*

<sup>1</sup> The proposed new or revised methodology or methodological tool for the purpose of developing a proposed standardized baseline, or the proposed new or revised methodology or methodological tool that will be used together with the proposed standardized baseline, may be submitted to the secretariat at the same time with the proposed standardized baseline in

- ☐ New methodology (title: \_\_\_\_\_)
- ☐ Revised methodology (title: \_\_\_\_\_)
- ☐ New methodological tool (title: \_\_\_\_\_)
- ☐ Revised methodological tool (title: \_\_\_\_\_)

• *Purpose:*

- ☐ For using the methodological approach in new/revised methodology/methodological tool for development of the proposed standardized baseline
- ☐ For using the new/revised methodology together with the proposed standardized baseline to estimate emission reductions

• *Process:*

- ☐ Methodology(ies)/methodological tool is/was proposed through the bottom-up process
- ☐ Request the secretariat to seek a mandate from the CDM Executive Board for its top-down development (if this option is selected, provide justification below)

(Justification: \_\_\_\_\_)

### Elements to be standardized

*Check below all the elements to be standardized by the proposed standardized baseline:*

- ☐ Additionality
- ☐ Baseline/baseline land-use scenario
- ☐ Baseline emission/removal parameter
- ☐ Land eligibility (applicable only to afforestation and reforestation project activities)



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

*Complete this section only when the proposed standardized baseline is developed using the approach contained in the “Guidelines for the establishment of sector specific standardized baselines”.*

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

*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, 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, if applicable.*
- *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 standardization**

*Explain how the “Guidelines for the establishment of sector specific standardized baselines” were applied to standardize the additionality criterion of project activities or programmes of activities that are deemed additional. Document all underlying data, data sources, assumptions, steps and outcomes in a clear and transparent manner.*

### **Baseline identification**

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

### **Baseline parameter standardization**

*Explain how the “Guidelines for the establishment of sector specific standardized baselines” were applied to standardize a baseline parameter (e.g. baseline specific energy consumption, baseline fuel emission factor, baseline emission factor). Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

**Use of the proposed standardized baseline with approved or proposed new or revised methodology(ies)**

*Explain how the proposed standardized baseline will be used together with the valid version(s) of a relevant approved methodology(ies) or proposed new/revised methodology(ies).<sup>2</sup> Describe how a standardized baseline derived from the “Guidelines for the establishment of sector specific standardized baselines” will replace the sections of demonstration of additionality, identification of the baseline scenario and/or the determination of baseline emissions in the methodology.*

**Validity of the proposed standardized baseline**

*State the period of time for which the proposed standardized baseline is valid taking into account the provisions of the “Standard for determining coverage of data and validity of standardized baselines” and Appendix I to the “Guidelines for the establishment of sector specific standardized baselines”.*

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

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

**References and any other relevant information**

<sup>2</sup> The “Guidelines for completing the proposed new baseline and monitoring methodologies form” provide guidance on the sections of the proposed new baseline and monitoring methodologies form that should be filled to develop a methodology that will only be used together with a standardized baseline.



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

*Complete this section only when the proposed standardized baseline is developed using a methodological approach contained in the valid version of an approved methodology or in a proposed new or revised methodology(ies). An example of this is "AM0070: Manufacturing of energy efficient domestic refrigerators" to standardize the specific energy consumption of domestic refrigerators in the host country.*

**Applicability of the proposed standardized baseline**

*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, document transparently the geographical boundaries of the region (e.g. provinces, electric grids, etc.).*

**Additionality standardization (if applicable)**

*Explain how the methodological approach contained in the valid version of the approved methodology(ies) or in the proposed new or revised methodology(ies) was applied to standardize additionality criterion for project activities or programmes of activities using the methodology. Document all the underlying data, data sources, assumptions, steps and outcomes in a clear and transparent manner.*

**Baseline identification (if applicable)**

*Explain how the methodological approach contained in the valid version of the approved methodology(ies) or in the proposed new or revised methodology(ies) was applied to identify the baseline. Document all the underlying data, data sources, assumptions, steps and outcomes in a clear and transparent manner.*

**Baseline emission parameter standardization (if applicable)**

*Explain how the methodological approach contained in the valid version of the approved methodology or in the proposed new or revised methodology was applied to standardize the baseline emission parameter (e.g. baseline specific energy consumption, baseline emission factor) of a project activity or programme of activities. Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

**Use of the proposed standardized baseline with the approved or proposed new or revised methodology**

*Explain how the proposed standardized baseline will be used with the valid version of the approved methodology(ies) or proposed new or revised methodology(ies) to estimate emission reductions. Explain which parts of the methodology(ies) are replaced by the proposed standardized baseline.*

**Validity of the proposed standardized baseline**

*State the period of time for which the proposed standardized baseline is valid in accordance with the requirements contained in the "Standard for determining coverage of data and validity of standardized baselines".*

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

*Provide a description of and justification for the necessity and the appropriateness of any deviation from the valid version of the approved methodology to develop the proposed standardized baseline. Also justify why a revision of the valid version of the approved methodology is not necessary.*



References and any other relevant information

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

*Complete this section only when the proposed standardized baseline is developed using a methodological approach contained in the valid version of an approved methodological tool or in a proposed new or revised methodological tool (an example of this is the application of the "TOOL07: Tool to calculate the emission factor for an electricity system" to estimate the CO<sub>2</sub> emission factor of an electricity grid).*

**Applicability of the proposed standardized baseline**

*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, document transparently the geographical boundaries of the region (e.g. provinces, electric grids, etc.).*

*This standardized baseline is applicable to CDM project activities and programme of activities located in the following nine (9) inhabited islands of the Republic of Cape Verde:*

1. Santo Antão
2. São Vicente
3. São Nicolau;
4. Sal;
5. Boavista;
6. Maio;
7. Santiago;
8. Fogo;
9. Brava

Section C covers all the nine (9) inhabited islands of the Republic of Cape Verde i.e., Sal, Sao Vicente, Santo Antão, Boavista, Santiago, Fogo, Maio, São Nicolau and Brava islands

*This standardized baseline is applicable to CDM project activities and programme of activities located in all islands of the Republic of Cape Verde.*

*The SBL may be used for any project implemented in Sal, Sao Vicente, Boavista, Santiago islands of the Republic of Cape Verde that applies ACM0002, or small scale methodologies AMS-I.D and/or AMS I.F for the purpose of determining baseline grid emission factor.*

- *Other factors for disaggregation (e.g. output capacity, age of facilities) relating to the applicability of the proposed standardized baseline has been covered in the Additonality demonstration section of this document. 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.*

Primarily the power sector and any other sector that are related to, but limited to, the power grid emission factor for the calculation of baseline or project emissions, including sectoral scope I "Energy Industries" as defined by UNFCCC.

- *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).*

Power (electricity).

- 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.

### Baseline parameter standardization

*Explain how the methodological approach contained in the valid version of the approved methodological tool or in the proposed new or revised methodological tool was applied to standardize the baseline parameter (e.g. baseline emission factor). Document all underlying data, data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

The data of power generation and fuel consumption are obtained from the following sources in a transparent manner:

- The National Direction of Industry, Trade and Energy [for providing all the necessary and usefull data and as well for validating all data];
- National utility, annual reports, publicly available [for all power generation and fuel consumption data except Boavista island where the plant is operated by a different private company, which submits data to Agencia Reguladora Multisectorial da Economia (energy regulator)];
- Cabeolica, annual reports, upon request by DNA [for Cabeolica's wind projects generation data];
- Agencia Reguladora Multisectorial da Economia, an independent regulatory body of Cape Verde (for cost of production data, and the data from Boavista Island).

The following approach is taken to determine the baseline emission factors for each of the 5 islands.

#### Step 1. Determination of the plant emission factor.

The emission factor for each power plant is determined based on:

1. Electricity supplied to the grid over the three reported years;
2. Total fuel consumption;
3. The type of service provided by the power plant, i.e. (i) power production and supply to the grid, (ii) power production and supply to the grid and to the desalination plants;

For power plants that are used to supply electricity to the grid only the emission factor is determined using the following equation 16, under the section 6.6.1 (**Weighted average CM**).

The combined margin emissions factor is calculated as follows:

$$EF_{grid,CM,y} = EF_{grid,OM,y} \times w_{OM} + EF_{grid,BM,y} \times w_{BM} \quad \text{Equation (16)}$$

Where:

$EF_{grid,BM,y}$	=	Build margin CO <sub>2</sub> emission factor in year $y$ (t CO <sub>2</sub> /MWh)
$EF_{grid,OM,y}$	=	Operating margin CO <sub>2</sub> emission factor in year $y$ (t CO <sub>2</sub> /MWh)
$wOM$	=	Weighting of operating margin emissions factor (per cent)
$wBM$	=	Weighting of build margin emissions factor (per cent)
$y$	=	The reported year as per the data vintage (2015, 2016, 2017)

The NCV is derived from the IPCC table 1.4 of Chapter1 of Vol. 2 (Energy) of the 2006 IPCC Guidelines on National GHG Inventories. Value is taken at the lower limit of the uncertainty at a 95 per cent confidence interval. There are three types of fuels used in the country: diesel, fuel oil 180 and fuel oil 380. Since fuel oil 180 and 380 was the most fuel used (they have slightly higher NCVs), it is conservatively assumed that all fuel used fuel oil. Raw data on fuel consumption is reported in litres. For the purpose of calculations, the fuel consumption is converted into tons using a diesel density value of 0.859 kg/l. Considering that the density of fuel oil 180 and 380 is higher than the diesel density, the approached used is conservative. The diesel density value of 0.859 kg/l is provided by national utility company Electra.

## Step 2. Determination of the baseline emission factor.

With the known emission factors for each power plant the baseline emission factor is determined using the following step-wise approach:

1. All power plants are ranked based on their carbon intensity, i.e. emission factor in descending order;
2. Cumulative electricity production is calculated starting from most carbon intensive power plant;

The threshold of 80% is applied to cumulative production to identify the baseline technology and the baseline emission factor. Please refer to attachment annexes. Each spread sheet presents the calculation in a clear and transparent manner for each island. A summary is presented in table 3.

**Table 3. Baseline emission factors corresponding to each island (Islands with RE projects under Independent Power Producer regime)**

Version 7 of the “Tool to calculate the emission factor for an electricity system” has been applied.

The details of the all calculation steps, the data used, assumptions and data sources are described in the report attached hereto.



The calculated baseline emission factors for the following islands are as follows:

**Sal island**

Combined Margin $[CM = OM \times wOM + BM \times wBM] =$	0,7827	[tCO <sub>2</sub> /MWh]
--	--------	-------------------------

**Sao Vicente island**

Combined Margin $[CM = OM \times wOM + BM \times wBM] =$	0,7382	[tCO <sub>2</sub> /MWh]
--	--------	-------------------------

**Santiago**

Combined Margin $[CM = OM \times wOM + BM \times wBM] =$	0,6905	[tCO <sub>2</sub> /MWh]
--	--------	-------------------------

**Boavista**

Combined Margin $[CM = OM \times wOM + BM \times wBM] =$	0,8114	[tCO <sub>2</sub> /MWh]
--	--------	-------------------------

**Santo Antão island**

Combined Margin $[CM = OM \times wOM + BM \times wBM] =$	0,7615	[tCO <sub>2</sub> /MWh]
--	--------	-------------------------

Data on net electricity generation and fossil fuel consumption have been provided by DNICE, ELECTRA (the national power company) and CABELICA (a private company implementing wind projects in Cape Verde).

**Table 4. Baseline emission factors corresponding to each island (Islands without RE projects under Independent Power Producer regime)**

On this Islands bellow it was used the Case mentioned in paragraph 94.b) of the “am-tool-07 v7.0” to calculate the CM:

Isolated grid system with a single diesel/fuel oil generator power plant

94. For system with the single diesel/fuel oil generator plant, the options are as follows

(b) Option 2: Use 0.79 tCO<sub>2</sub>/MWh as OM emission factor, 0.58 tCO<sub>2</sub>/MWh as BM emission factor and estimate weighted average CM following procedure provided under section 6.6.1

So, the islands of **São Nicolau, Maio, Fogo and Brava**, the situation on these islands meets condition para. 95.b), therefore, we choose to apply the default value of: **0,79 tCO<sub>2</sub>/MWh**

Island	<i>EF<sub>grid,CM,y</sub></i>
São Nicolau	<b>0,79 tCO<sub>2</sub>/MWh</b>
Maio	<b>0,79 tCO<sub>2</sub>/MWh</b>
Fogo	<b>0,79 tCO<sub>2</sub>/MWh</b>
Brava	<b>0,79 tCO<sub>2</sub>/MWh</b>

These 4 islands mentioned above have just one small power plant using one type of fuel.

#### Validity of the proposed standardized baseline

*State the period of time for which the proposed standardized baseline is valid in accordance with the "Standard for determining coverage of data and validity of standardized baselines".*

The raw but as well the disaggregated data used in the calculation of the Grid Emission Factor for Sal, Sao Vicente, Boavista, Santiago and Santo Antão islands of the Republic of Cape Verde 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 triennium 2015-2017. Additionally, in accordance with the requirements of the tool, electricity generation data from the years 2012 and 2014 were used for the determination of the low-cost/must-run generation facilities for the most recent five years.

The standardized 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 applicable methodological tools and guidelines.

This proposed standardized baseline is valid for 3 years from the date when CDM Executive Board approves it.

#### Deviations from the approved methodological tool (if applicable)

*Provide descriptions of and justifications for the necessity and the appropriateness of any deviations from the valid version of the approved methodological tool to develop the proposed standardized baseline. Also, justify why a revision of the valid version of the approved methodological tool is not necessary.*



<b>References and any other relevant information</b>
--

The development of this standardized baseline has performed like planned beside some gaps in audit data quality, the stakeholders were very cooperative in turn all data available and indeed they provided all data required with good disaggregation. They understand the importance of this unique initiative and the potential benefits to the Cape Verde as a whole. The DNA of Cape Verde expresses its gratitude to the following individuals and organizations/offices for their significant contribution towards the completion of this initiative: the CDM RCC Lomé for assisting the country in identifying and initiating the process with all relevant stakeholders including the DNA office, and persistently supporting these stakeholders to solve the identified issues and pursue the completion of this study; **Mr. Heleno Sanches**, Renewable Energy Expert from Ecowas Centre for Renewable Energy and Energy Efficiency (ECREEE) for agreeing to accept the designation to act on DNA's behalf for providing the most critical local support in engaging local stakeholders in Cape Verde to participate in this initiative, solve the many identified issues, and in enabling access to data and information; National Direction of Industry, Trade and Energy (DNICE) contribution in granting important data and information and for offering their support to this initiative; ARME contribution in granting important data and information; **Mr. Antão Fortes**, CEO, and **Ms. Ana Monteiro** Head of Health Environment and Administration at Cabeolica, for their kind collaboration in providing important data and information; We thank **the Electra Board of Directors**, for the support of Electra, **Mr. Daniel Graca**, CEO of Electric Wind (IPP in Cape Verde) for providing much needed information and assistance. Last, but not least, we must mention that the successful delivery of the final outcome would not have been smooth without the contribution of an international expert who wishes to be anonymous from this report. Cape Verde is committed towards fighting against climate change together with the international community and the CDM EB is commended for its good work in guiding us with its procedures and guidelines, and we look forward to the smooth approval of this standardized baseline by the CDM EB.



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

*Complete this section only when the proposed standardized baseline is developed using the approach contained in the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM”.*

**Applicability of the proposed standardized baseline**

*Provide the information on 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, document transparently the geographical boundaries of the region(s) (e.g. administrative units, geo-referenced coordinates).*

**Additionality standardization**

*Explain how the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM” was applied to standardize the additionality criterion for afforestation and reforestation CDM project activities undertaken in the areas of land included under the scope of the proposed standardized baseline. Document all relevant data sources, assumptions, steps and outcomes in a clear and transparent manner.*

**Baseline land-use scenario identification**

*Explain how the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM” was applied to identify the baseline land-use scenario of afforestation and reforestation CDM project activities undertaken in the areas of land included under the scope of the proposed standardized baseline. Document all relevant data sources, assumptions, steps and outcomes in a clear and transparent manner.*

**Standardization of baseline carbon stocks and GHG removals estimation (if applicable)**

*Explain how the “Guideline: Establishment of standardized baselines for afforestation and reforestation project activities under the CDM” was applied to standardize the estimation of baseline carbon stocks and GHG removals of applicable afforestation and reforestation CDM project activities undertaken in the areas of land included under the scope of the proposed standardized baseline. Document all relevant data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*

**Land eligibility demonstration (if applicable)**

*Explain whether eligibility of the lands included under the scope of the proposed standardized baseline for the CDM is confirmed by the proposed standardized baseline. If not, 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, document all relevant data sources, assumptions, calculation steps and outcomes in a clear and transparent manner.*



**Validity of the proposed standardized baseline**

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

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

*Provide descriptions of and justifications for the necessity and the appropriateness of 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 relevant information**

-----

**Document information**

<i>Version</i>	<i>Date</i>	<i>Description</i>
04.0	21 September 2018	Revision to: <ul style="list-style-type: none"> <li>• Reflect updated list of attachments contained in the version 05.2 of "Procedure: Development, revision, clarification and update of standardized baselines" (CDM-EB63-A28-PROC);</li> <li>• Include editorial and structural improvement.</li> </ul>
03.0	1 September 2015	Revision to: <ul style="list-style-type: none"> <li>• Reflect updated requirements in the version 04.0 of "Procedure: Development, revision, clarification and update of standardized baselines" (CDM-EB63-A28-PROC);</li> <li>• Include editorial improvement.</li> </ul>
02.0	1 December 2013	The document title has changed from "Proposed standardized baseline form" (F-CDM-PSB) to "Proposed standardized baseline submission form" (CDM-PSB-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 editorial improvement</li> </ul>
01.0	23 March 2012	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Methodology Keywords: DNA, standardized baselines		