




## Validation report form for CDM programme of activities

(version 01.0)

Complete this form in accordance with the attachment: "Instructions for filling out the validation report form for CDM programme of activities" at the end of this form.

## VALIDATION REPORT

<b>Title of the programme of activities (PoA)</b>	Scaling-Up Solar Photovoltaic Power Generation
<b>Version number of the validation report</b>	2.0 TN P-No. : 8000443658 – 14/159
<b>Completion date of the validation report</b>	25/11/2016
<b>Version number of PoA-DD applicable to this validation report</b>	1.9
<b>Date when PoA-DD was uploaded for global stakeholder consultation</b>	11/12/2014
<b>Coordinating/managing entity (CME)</b>	Scatec Solar ASA
<b>Host Party(ies)</b>	Mali, Ghana, Burkina Faso
<b>Sectoral scope(s)</b>	Scope: 1: Energy industries (renewable/non- renewable sources) Technical Area: 1.2
<b>Selected methodology(ies)</b>	ACM0002: Grid-connected electricity generation from renewable sources, Version 16.0.
<b>Selected standardized baseline(s)</b>	N/A
<b>Name of DOE</b>	TÜV NORD CERT GmbH
<b>Name, position and signature of the approver of the validation report</b>	 Stefan Winter Final approver

## SECTION I. Executive summary

Scatec Solar ASA has commissioned the TÜV NORD JI/CDM Certification Program to carry out the validation of the programme of activities:

### “Scaling-Up Solar Photovoltaic Power Generation”

with regard to the relevant requirements for CDM project activities. The PoA design documents were initially uploaded to the UNFCCC website for GSCP on 11/12/2014 and again re-uploaded on 22/10/2015 and 04/12/2015 due to the PoA name change and boundary extensions.<sup>/unfccc/</sup>

The Greenfield PoA aims to install between 15MWp and 200MWp capacity solar power plants in the Republic of Mali, Ghana and Burkina Faso, in order to increase renewable power capacity and contribute to anthropogenic GHG emission reductions and sustainable development.

The proposed PoA utilizes the applicable large-scale CDM methodology: ACM0002 Grid-connected electricity generation from renewable sources, Version 16.0. As indicated in section A.2 of the PoA-DD, all CPAs shall however be above 15MW in order to comply with this methodology.

Only one generic CPA-DD is required as per §269 of the VVS version 09.0. The first specific-case component project activities (CPAs) are as follows: -

1. 33MWp Segou PV Power Generation Project in Mali ;
2. 20MWp Ningo PV Power Generation Project in Ghana
3. 17MWp Zagatouli PV Power Generation Project in Burkina Faso

The proposed start date of renewable crediting period for the Mali CPA is 01/08/2017, for the Ghana CPA is 01/01/2018, and for the Burkina Faso CPA is 01/08/2017. The proposed CPAs were not previously excluded from a registered CDM PoA as a result of erroneous inclusion.

## SECTION II. Validation team, technical reviewer and approver

### II.1. Validation team members

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk review	On-site inspection	Interview(s)	Validation findings
1.	Team Leader / Validator	EI	Kochaniewicz	Grzegorz		x	-	x	x
2.	Technical Expert	EI	Lubanga	David		x	-	x	x

**II.2. Technical reviewer and approver of the validation report**

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	IR	Stöhr	Christina	TÜV NORD CERT GmbH
2.	Approver	IR	Winter	Stefan	TÜV NORD CERT GmbH

**SECTION III. Means of validation****III.1. Desk review**

During the desk review all documents initially provided by the client and publicly available documents relevant for the validation were reviewed. The main documents are listed below:

- the last revision of the POA-DD<sup>/POA-DD/</sup>,
- the last revision of the POA validation report<sup>/POA-VAL/</sup>,
- the last revision of the generic CPA-DD<sup>/CPA-DD-G/</sup>,
- Draft version of the emission reduction calculation spreadsheet<sup>/XLS/</sup>.
- Letters of Approval<sup>/LOA/</sup>.

Other supporting documents, such as publicly available information on the UNFCCC website and background information were also reviewed.

**III.2. On-site inspection**

Duration of on-site inspection: 14/05/2015 – 15/05/2015 and 06/07/2015 – 09/07/2015				
No.	Activity performed on-site	Site location	Date	Team member
1.	Please refer to related validation reports of corresponding CPAs. During which also issues w.r.t. PoA have been discussed besides:  Assessment of prior consideration documents and stakeholder consultation process / Assessment of additionality / Eligibility criteria / Baseline scenarios / Monitoring and esp. data aggregation and QA/QC at CME level	Bamako, (Segou, Accra, Koni-Ka village, Ningo Region, Ouagadougou)	14/05/2015 – 15/05/2015 and 06/07/2015 – 09/07/2015	Grzegorz Kochaniewicz

**III.3. Interviews**

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Andreassen	Hanne	Climate Mundial <b>/IM01/</b>	15/02/2015 – 22/10/2015	PoA start date, financial aspects, additionality, onsite visit, eligibility criteria, monitoring, roles and responsibilities, CER ownership, SD	Grzegorz Kochaniewicz

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
					aspects, crediting period, applied methodologies, GEF & ER calculations	
2.	Rossetto	Daniel	Climate Mundial /IM01/	15/02/2015 – 22/10/2015	PoA start date, financial aspects, additionality, onsite visit, eligibility criteria, monitoring, roles and responsibilities, CER ownership, SD aspects, crediting period, applied methodologies, GEF & ER calculations	Grzegorz Kochaniewicz
3.	Togola	Ibrahim	Scatec Solaire/ Administrator General /IM01/	15/02/2015 – 22/10/2015	Construction, commissioning, technical information	Grzegorz Kochaniewicz
4.	Traore	Beidari	DRE Segou/Director /IM02/	15/02/2015 – 22/10/2015	Construction, commissioning, technical information	Grzegorz Kochaniewicz
5.	Diarra	Bourama	DME/PI/Director /IM02/	15/02/2015 – 22/10/2015	Construction, commissioning, technical information	Grzegorz Kochaniewicz

### III.4. Sampling approach

As per eligibility criterion j, all CPAs shall be monitored and verified individually, hence, no sampling plan is required

<input checked="" type="checkbox"/>	No sampling approach has been used by the PP to determine the monitored parameters				
<input type="checkbox"/>	A sampling approach has been taken for the following monitored parameter(s):				
	Parameter	Sampling approach <sup>1)</sup>	Sampling Type <sup>2)</sup>	Population	Sample Size

<sup>1)</sup> Sampling Approaches:

- SiRS: Simple Random Sampling  
 StRS: Stratified Random Sampling  
 SS: Systematic Sampling  
 CS: Cluster Sampling  
 MSS: Multi-stage Sampling

<sup>2)</sup> Sampling Types:

- PS: Parameter Sampling

**III.5. Clarification requests, corrective action requests and forward action requests raised**

Areas of validation of compliance	No. of CL	No. of CAR	No. of FAR
<b>Part I</b>			
General description of the PoA	0	2	0
• PoA design document	0	0	0
• Purpose and general description of the PoA	3	0	0
○ Generic CPA(s)	0	0	0
○ Specific-case CPA(s) submitted with the PoA	0	0	0
<b>Demonstration of additionality and development of eligibility criteria</b>			
• Demonstration of additionality of the PoA	0	1	0
• Eligibility criteria for inclusion of CPA(s) in the PoA	0	2	0
Management system	1	0	0
Duration of the PoA	0	1	0
Environmental impacts	0	0	0
Local stakeholder consultation	0	0	0
Approval and authorization & Modalities of communication	1	0	0
Global stakeholder consultation	0	0	0
Contribution to sustainable development	0	0	0
<b>Part II</b>			
General description of generic CPA	1	0	0
<b>Application of a baseline and monitoring methodology and standardized baseline</b>			
• Applicability of selected methodology(ies) and/or standardized baseline	0	2	0
○ Deviation from methodology	0	0	0
○ Clarification on applicability of methodology, tool and/or standardized baseline	0	0	0
• Sources and GHGs	0	0	0
• Description of baseline scenario	0	2	0
• Demonstration of eligibility for a generic CPA	0	1	0
• Estimation of emission reduction or net GHG removals by sinks of the generic CPA	0	0	0
○ Explanation of methodological choices	1	0	0
○ Data and parameters fixed ex ante	0	0	0
○ Ex ante calculation of emission reductions or net GHG removals by sinks	0	0	0
• Application of the monitoring methodology and description of the monitoring plan	0	0	0
○ Data and parameters to be monitored by the generic CPA	1	0	0
○ Description of the monitoring plan for the generic CPA	1	0	0
<b>Total</b>	<b>9</b>	<b>11</b>	<b>0</b>

**SECTION IV. Internal quality control**

Before the submission of the final validation report a technical review of the whole validation procedure was carried out. The technical reviewers are competent GHG auditors where at least one is being appointed for the scope this CPA falls under. The technical reviewers are not considered to be part of the validation team and thus not involved in the decision making process up to the technical review.

As a result of the technical review process the validation opinion and the topic specific assessments as prepared by the validation team leader may have been confirmed or revised. Furthermore reporting improvements might have been achieved.

After the successful technical review, an overall (esp. procedural) assessment of the complete validation has been carried out by a senior assessor located in the accredited premises of TÜV NORD CERT GmbH.

After this step the submission for requesting for registration is conducted.

## **SECTION V. Validation opinion**

Scatec Solar ASA has commissioned the TÜV NORD JI/CDM Certification Program to carry out the validation of the project: “**Scaling-Up Solar Photovoltaic Power Generation**”, with regard to the relevant requirements for CDM project activities..

The review of the project design documentation and additional documents related to baseline and monitoring methodology; the subsequent background investigation, follow-up interviews and review of comments by parties, stakeholders and NGOs have provided TÜV NORD JI/CDM CP with sufficient evidence to validate the fulfilment of the stated criteria.

In detail the conclusions can be summarised as follows:

As a result of this validation, the validator confirms that:

- The PoA is in line with all relevant host country criteria and all relevant UNFCCC requirements for CDM. Programme activity approvals have been obtained from DNA of Mali, vide the Letter of Approval (HCA) dated 20/11/2015 (Code: N<sup>o</sup> 1078/MEADD/AEDD), the DNA of Ghana vide the Letter of Approval (HCA), the DNA of Burkina Faso, vide the Letter of Approval (HCA) dated 02/08/2016 (Code: N<sup>o</sup> 2016-002/MEEVCC/SP-CNDD/DPCIE) and the DNA of Norway(Norwegian Environment Agency) vide the Letter of Approval (HCA) dated 08/04/2016 (Code: 2013/3678).
- The PoA additionality is sufficiently justified in the PoA-DD.
- The eligibility criteria established for CPA inclusion are deemed appropriate and sufficient.
- The calculation of the PoA emission reductions is carried out in a transparent and conservative manner, so that the calculated emission reductions of **479,759 tCO<sub>2</sub>e** for the first specific-case CPAs are most likely to be achieved within the (1<sup>st</sup> renewable) crediting period.
- All information has been consistently applied in the generic CPA-DD form.

The conclusions of this report show, that the PoA, as it was described in the project documentation, is in line with all criteria applicable for the validation.

Kigali, 2016-11-25



Grzegorz Kochaniewicz  
TÜV NORD JI/CDM CP  
Validation Team Leader

## SECTION VI. Validation findings

Please refer to Appendix 4

## PART I. Programme of activities

### SECTION A. General description of the PoA

#### A.1. PoA design document

<b>Means of validation</b>	<p>A draft PoA design document was submitted to the validation team by the project participant. The DOE has made this report publicly available prior to the start of the validation activities. No comments were received.</p> <p>By means of the UNFCCC website it has been checked whether the latest applicable CDM-PoA-DD-FORM has been used.</p> <p>Further it has been checked whether the latest instructions for filling out the PoA-DD template have been followed. Every section has been checked against the respective guidance.</p> <ul style="list-style-type: none"> <li>- The PoA-DD contains a clear and complete description and a sufficient description of the general operating and implementing framework.</li> <li>- The PoA includes Greenfield projects involving the installation and implementation solar PV power plants in Mali, Ghana and Burkina Faso.</li> </ul> <p>The following sources of information have been used in this context:</p> <ul style="list-style-type: none"> <li>• /PoA-DD/</li> <li>• /PDD-T/</li> <li>• /unfccc/</li> </ul>	
<b>Findings</b>	<input checked="" type="checkbox"/>	The latest reporting template CDM-PoA-DD-FORM as listed on the UNFCCC website has been used.
	<input type="checkbox"/>	The latest instructions for filling out the PoA-DD have been followed. No adverse finding has been identified in the course of this validation.
	<input checked="" type="checkbox"/>	The respective requirements have widely been complied with; however; the following issues needed to be addressed in this context: CAR A1, CAR A2, CL A4, CAR B2, CAR B3, CAR gB2, CAR gB3, CAR gB5
<b>Conclusion</b>	<input type="checkbox"/>	No CARs/CLs have been raised in this context. No correction was required in the context. The project is in line with the respective requirements.
	<input checked="" type="checkbox"/>	The raised CARs/CLs have been addressed appropriately. The PP has carried out the requested corrections. All respective findings could be closed out. For details please refer to Appendix 3.
	The validation team has checked all sections of the PoA-DD and confirms by means of comparing the latest PoA-DD template that has been used with the standardized PoA-DD template, version 06.0.	

#### A.2. Purpose and general description of the PoA

<b>Means of validation</b>	<p>The DOE has checked that section A.2 of the draft PoA-DD has been fully completed as per the applied PoA-DD template guidelines. The stated goal of the voluntary PoA is to develop utility scale solar PV Component Project Activities (CPAs) of between 15MWp and 200 MWp under an Independent Power Producer (IPP) model, and signed via Power Purchase agreements with the host countries of Mali, Ghana &amp;</p>
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	<p>Burkina Faso. The PoA aims to reduce GHG emissions and contribute to sustainable development in the host countries. Any public funding involved in a CPA under this PoA will not constitute ODA (eligibility criterion h).</p> <p>The following sources of information have been used in this context:</p> <ul style="list-style-type: none"> <li>• /PoA-DD/</li> <li>• /VVS/</li> <li>• /PDD-T/</li> <li>• /unfccc/</li> </ul>	
<b>Findings</b>	<input checked="" type="checkbox"/>	The latest reporting template CDM-PoA-DD-FORM as listed on the UNFCCC website has been used.
	<input checked="" type="checkbox"/>	The latest instructions for filling out section A.2 of the PoA-DD have been followed.
	<input checked="" type="checkbox"/>	The respective requirements have widely been complied with; however; the following issues needed to be addressed in this context: CL A3
<b>Conclusion</b>	<input type="checkbox"/>	No CARs/CLs have been raised in this context. No correction was required in the context. The project is in line with the respective requirements.
	<input checked="" type="checkbox"/>	The raised CARs/CLs have been addressed appropriately. The PP has carried out the requested corrections. All respective findings could be closed out. For details please refer to Appendix 3.
	The validation team has checked section A.2 of the PoA-DD and confirms that it has been completed as per template guidelines and §266 of the CDM VVS 09.0	

## A.2.1. Generic CPA(s)

Title, identification/reference number and/or version number	Sectoral scope(s)	Selected methodology(ies) and/or standardized baseline(s)
There is only one generic CPA-DD as part of the POA-DD, as only one technology/measure is involved	1	<p>ACM0002 Grid-connected electricity generation from renewable sources, Version 16.0. (<a href="https://cdm.unfccc.int/methodologies/DB/8W400U6E7LFHHYH2C4JR1RJWWO4PVN">https://cdm.unfccc.int/methodologies/DB/8W400U6E7LFHHYH2C4JR1RJWWO4PVN</a>)</p> <p>Tool for the demonstration and assessment of additionality, version 07.0 (<a href="https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-01-v7.0.0.pdf/history_view">https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-01-v7.0.0.pdf/history_view</a>)</p> <p>Tool to calculate the emission factor for an electricity system, version 05.0 (<a href="https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v5.0.pdf/history_view">https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v5.0.pdf/history_view</a>)</p> <p>Demonstration of additionality of small-scale project activities, version 10.0 (<a href="https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-21-v1.pdf/history_view">https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-21-v1.pdf/history_view</a>)</p>

## A.2.2. Specific-case CPA(s) submitted with the PoA

Specific-case CPA(s) reference number(s)	Generic CPA title, identification/ reference number and version number	Host Party	Crediting period dates of the specific-case CPA
MAL.2.1	Scaling-Up Solar Photovoltaic Power Generation, version 1.8	Mali	01/08/2017 – 31/07/2024 (start and end date included)
GHA.2.1	Scaling-Up Solar Photovoltaic Power Generation, version 1.8	Ghana	01/01/2018 – 31/12/2024 (start and end date included)

BFA.2.1	Scaling-Up Solar Photovoltaic Power Generation, version 1.8	Burkina Faso	01/08/2017 – 31/07/2024 (start and end date included)
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## SECTION B. Demonstration of additionality and development of eligibility criteria

### B.1. Demonstration of additionality of the PoA

<b>Means of validation</b>	<p>As prescribed in section B.1 of the PoA-DD, additionality shall be demonstrated at CPA level, applying certain tools<sup>/FOK/ /TA/</sup> or the applicable methodology by using one of the following approaches:</p> <ul style="list-style-type: none"> <li>• First-of-its-kind projects in the host country, or</li> <li>• Projects that are the subject of positive lists, or</li> <li>• Investment analysis/barrier analysis/common practice analysis</li> </ul> <p>The following sources of information have been used in this context:</p> <ul style="list-style-type: none"> <li>• /PoA-DD/</li> <li>• /VVS/</li> <li>• /FOK/</li> <li>• /TA/</li> <li>• /AT/</li> <li>• /IA/</li> <li>• /POAS/</li> <li>• /unfccc/</li> </ul>						
<b>Findings</b>	<table border="1"> <tr> <td><input type="checkbox"/></td><td>Additionality is demonstrated at POA level</td></tr> <tr> <td><input checked="" type="checkbox"/></td><td>Additionality will be demonstrated at CPA level</td></tr> <tr> <td><input checked="" type="checkbox"/></td><td>The respective requirements have widely been complied with; however the following issues needed to be addressed in this context: CAR B1</td></tr> </table>	<input type="checkbox"/>	Additionality is demonstrated at POA level	<input checked="" type="checkbox"/>	Additionality will be demonstrated at CPA level	<input checked="" type="checkbox"/>	The respective requirements have widely been complied with; however the following issues needed to be addressed in this context: CAR B1
<input type="checkbox"/>	Additionality is demonstrated at POA level						
<input checked="" type="checkbox"/>	Additionality will be demonstrated at CPA level						
<input checked="" type="checkbox"/>	The respective requirements have widely been complied with; however the following issues needed to be addressed in this context: CAR B1						
<b>Conclusion</b>	<table border="1"> <tr> <td><input type="checkbox"/></td><td>No CARs/CLs have been raised in this context. No correction was required in the context. The project is in line with the respective requirements.</td></tr> <tr> <td><input checked="" type="checkbox"/></td><td>The raised CARs/CLs have been addressed appropriately. The PP has carried out the requested corrections. All respective findings could be closed out. For details please refer to Appendix 3.</td></tr> </table> <p>The PoA has prescribed sufficient additionality guidelines to be followed by both SSC and LSC CPAs before inclusion into the PoA. Each CPA shall demonstrate additionality individually in accordance with any of the options outlined in section B.1 of the registered PoA-DD.</p> <p>Therefore, it is concluded that the additionality of the PoA can be demonstrated sufficiently (PoAS §7, 9, 10 &amp; 13)</p>	<input type="checkbox"/>	No CARs/CLs have been raised in this context. No correction was required in the context. The project is in line with the respective requirements.	<input checked="" type="checkbox"/>	The raised CARs/CLs have been addressed appropriately. The PP has carried out the requested corrections. All respective findings could be closed out. For details please refer to Appendix 3.		
<input type="checkbox"/>	No CARs/CLs have been raised in this context. No correction was required in the context. The project is in line with the respective requirements.						
<input checked="" type="checkbox"/>	The raised CARs/CLs have been addressed appropriately. The PP has carried out the requested corrections. All respective findings could be closed out. For details please refer to Appendix 3.						

### B.2. Eligibility criteria for inclusion of CPA(s) in the PoA

No.	Eligibility criteria as set out in the PoA-DD	Means of validation/Findings/Conclusion
a)	All CPAs must take place within the geographical boundaries of the host countries as listed in the Section A.4 above	According to §18 a), section 3.2.1 of the PoA Standard (EB74, Annex 05), the geographical boundary of each CPA, including any time-induced boundary, shall be consistent with the geographical boundary set in the PoA. The PoA boundary is set as per page 1, and sections A.2, A.4, and A.5 of the PoA-DD. This eligibility criterion has been sufficiently set for all CPAs
b)	All CPAs shall avoid double counting of emission reductions by adopting the	All CPAs shall avoid double-counting of emission reductions through establishing a unique identification

No.	Eligibility criteria as set out in the PoA-DD	Means of validation/Findings/Conclusion
	CME's unique alpha-numeric system for CPA numbering (refer section B.4, section C)..	for all CPAs, in line with §18 b) of the PoA Standard. This criterion has been sufficiently prescribed for all CPAs as the CME has prescribed an alpha-numeric system for all CPAs
c)	All CPAs must be utility scale solar photovoltaic generation projects with an installed capacity between 15-200MWp. All CPAs shall also state the specifications of technology/measure, type of service, performance specifications including compliance with testing/certifications, in order to prove eligibility.	The EC covers the guideline 18 c) of the PoA standard on the minimum eligibility criteria. The specification of technology, capacity and level of service ensures that conditions such as applicability of the methodology, additionality, plant capacity, as well as potential leakage are met. This eligibility criterion has been sufficiently set for all CPAs.
d)	Any CPA, in order to be eligible for participation in this POA, must not have commenced any earlier than 11 December 2014	The start date of a CPA cannot be before PoA start date (§225 of the CDM PS version 09.0). The eligibility criterion ensures that all CPAs admitted to the PoA conform to the guidelines of the PoA standard §18 d).
e)	All CPAs shall meet the applicability requirements of the CDM methodology ACM0002: Grid-connected electricity generation from renewable sources - Version 16.0.	All CPAs shall apply the methodology ACM0002. All other applicability conditions of the methodology shall be met as well, in line with §18 e) with the PoA standard.
f)	All CPAs shall assess additionality in accordance with Section B.1 of the PoA and, in particular, the approved methodology being applied, the Tool for the demonstration and assessment of additionality, as well as the Guidelines for First-of-its-Kind Project Activities (EB69 Annex 7)	All CPAs shall be additional to be included in the PoA, using additionality guidelines. This is adequately prescribed in section B.1 of the PoA-DD. This eligibility criterion has been sufficiently set for all CPAs.
g)	All CPAs shall undertake an Environmental Impact Assessment (EIA) and engage in local stakeholder consultation in accordance with the requirements of the CDM and any other local approval processes as required and evidence shall be applied by the CME or commitments made to forward action.	All CDM component project activities are required to demonstrate consideration of potential environmental impacts of their activities. In accordance with §§157-158 of the CDM VVS version 09.0, as well as §§72-73 of the CDM PS version 09.0. The EC has been therefore established in fulfilling these requirements derived from §18 g) of the PoA Standard  All CDM component project activities are required to demonstrate consideration of stakeholder input on their activities. In accordance with §§284-285 of the CDM VVS version 09.0, as well as §§74-79 of the CDM PS version 09.0. The EC has been therefore established in fulfilling these requirements derived from §18 g) of the PoA Standard.
h)	Each CPA shall state whether any other climate finance has been obtained and, if so, the nature of climate finance instrument, the provider and any other information relevant to CDM.. Each CPA shall also provide an affirmation that funding from Annex I Parties, if any, does not result in a diversion of official development assistance.(ODA).	CDM projects utilizing public finance cannot be allowed to use official development assistance (§34 of CDM PS version 09.0). The guideline §18 h) in the PoA Standard (EB74, Annex 05) ensures the fulfilment of this criterion. The PoA-DD section A.7 provides an affirmation to check that any form of public funding for the CPAs will not amount to diversion of ODA
i)	All CPAs shall be utility scale solar photovoltaic generation projects with an	The CME own set eligibility criterion will specify the target group for all eligible CPAs in order to conform to

No.	Eligibility criteria as set out in the PoA-DD	Means of validation/Findings/Conclusion
	installed capacity between 15-200MWp and provide power to the host country's national grid, in accordance with the Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities, Version 04.0 (EB74, Annex 05)	the PoA stated policy, operational and management framework. §18 i) has been established to fulfil this condition.
j)	All CPAs must demonstrate that they shall be monitored individually and therefore not be subject to any sampling requirements.	The CME requires that all CPAs be monitored individually and therefore no sampling is required for the proposed solar PV technology/measures (PoA Standard 18 j)). The monitoring plan shall be consistent with the registered generic CPA-DD.
k)	All CPAs shall be approved by the host country DNA before inclusion in the POA	CPAs within host parties shall individually seek approval for participation from the host country DNA. The same shall be furnished to the CME.
l)	All CPAs shall include the CME as an equity partner or developer of the underlying project	CMEs partnership eligibility criterion for the inclusion of any CPA into the PoA.

### SECTION C. Management system

<b>Means of validation</b>	<p>The management system has been outlined in section C of the PoA-DD. The CME will be responsible for CPA inclusion, monitoring, validation and issuance of emission reductions.</p> <ul style="list-style-type: none"> <li>The CME will also establish an operational and management structure, defining roles and responsibilities for different parties in line with §19 of the PoA Standard (EB74, Annex 05).</li> <li>Each CPA shall have a unique alpha-numeric identification and GPS address to avoid potential double-counting</li> <li>No sampling shall be applied as all CPAs will be monitored individually</li> <li>A record-keeping system shall be established by the CME to maintain data relating to each CPA</li> </ul> <p>The following sources of information have been used in this context:</p> <ul style="list-style-type: none"> <li>/IM01/</li> <li>/PoA-DD/</li> <li>/VVS/</li> <li>/PS/</li> <li>/POAS/</li> <li>/unfccc/</li> </ul>
<b>Findings</b>	CL C1
<b>Conclusion</b>	It can be confirmed that the management system proposed conforms to all requirements of the PoA standard.

### SECTION D. Duration of the PoA

<b>Means of validation</b>	<p>The PoA-DD has been checked for the PoA start date as well as the duration. The PoA start date is defined as the date when the PoA-DD and specific case CPA-DD were published for global stakeholder consultation (GSCP). This was 11/12/2014 when the initial PoA documents were published, this is in accordance with §222 b) of the CDM PS<sup>/PS/</sup></p> <ul style="list-style-type: none"> <li>the starting date of the PoA is determined correctly</li> <li>as per EC (d) the starting date of any CPA will be on or after the start date of the PoA</li> <li>the length of the PoA does not exceed 28 years</li> </ul> <p>The following sources of information have been used in this context:</p>
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	<ul style="list-style-type: none"> <li>• /PoA-DD/</li> <li>• /VVS/</li> <li>• /PS/</li> <li>• /POAS/</li> <li>• /unfccc/</li> </ul>
<b>Findings</b>	CAR D1
<b>Conclusion</b>	The PoA start date of 11/12/2014 and duration of 28 years have been correctly defined according to CDM PS and PoA Standard guidelines.

## SECTION E. Environmental impacts

<b>Means of validation</b>	By checking the PoA-DD section E, the environmental impact assessments will be conducted at CPA level.
<b>Findings</b>	-
<b>Conclusion</b>	Environmental impact assessments will be conducted at CPA level. Therefore, no analysis is required.

## SECTION F. Local stakeholder consultation

<b>Means of validation</b>	By checking the PoA-DD section E, the Local stakeholder consultation will be conducted at CPA level.
<b>Findings</b>	-
<b>Conclusion</b>	Local stakeholder consultation will be conducted at CPA level. Therefore, no analysis is required.

## SECTION G. Approval and authorization

<b>Means of validation</b>	<p>By checking the POA-DD, the CPA-DDs, and the LoAs the following can be confirmed:</p> <ul style="list-style-type: none"> <li>- the coordinating/ managing entity is clearly identified as Scatec Solar ASA</li> <li>- a list of PPs is included in the POA-DD and CPA-DDs</li> </ul> <ol style="list-style-type: none"> <li>1. a written approval from the DNA of Mali has been received directly from the CME, serial number 1078/MEADD/AEDD dated 2015-11-20. The letter confirms that: <ul style="list-style-type: none"> <li>- Scatec Solar ASA and Segou Solaire SA are the authorized CME and PP of the proposed PoA and specific case CPA</li> <li>- Mali has ratified the Kyoto Protocol</li> <li>- Mali's participation in the CDM and the PoA is voluntary</li> <li>- The project assists Mali in achieving sustainable development</li> <li>- The LoA is unconditional</li> </ul> </li> <li>2. a written approval from the DNA of Burkina Faso (Ministère de l'Environnement, de l'Economie Verte et du Changement Climatique) has been received directly from the CME, serial number 2016-002/MEEVCC/SP-CNDD/DPCIE dated 2016-08-02. <ul style="list-style-type: none"> <li>- The letter includes the correct PoA title in French as specified in section A.3 of the PoA-DD (Intensifier la production d'énergie solaire photovoltaïque)</li> <li>- Burkina Faso has ratified the Kyoto Protocol (1993)</li> <li>- The LoA confirms that Scatec Solar ASA (also the CME) is the authorized PP for the host country</li> <li>- The proposed PoA corresponds to the host country's sustainable development objectives</li> <li>- The letter is signed and stamped by the authorized contact person</li> <li>- Participation in the CDM project is voluntary</li> </ul> </li> </ol> <ul style="list-style-type: none"> <li>- a written approval from the DNA of Ghana (Ministry of Environment Science Technology and Innovation) has been obtained on 16/03/2016 and submitted directly by the CME. <ul style="list-style-type: none"> <li>- The letter refers to the correct PoA title</li> <li>- Ghana has ratified the Kyoto Protocol as confirmed from the UNFCCC website</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- The LoA confirms that Scatec Solar ASA (also the CME) is the authorized PP for the host country</li> <li>- The proposed CPA corresponds to the host country's sustainable development objectives</li> <li>- The letter is signed by the authorized contact person</li> <li>- Participation of Ghana is voluntary</li> </ul> <ul style="list-style-type: none"> <li>- a written approval from the DNA of Norway (Norwegian Environment Agency) has been received directly from the CME, ref number 2013/3678 dated 2016-04-08. <ul style="list-style-type: none"> <li>- The letter refers to the correct PoA title</li> <li>- Norway has ratified the Kyoto Protocol (2002)</li> <li>- The LoA confirms that Norwegian Ministry for Climate &amp; Environment is an authorized PP for the PoA</li> <li>- The letter is signed and stamped by the authorized contact person</li> <li>- Participation of Norway is voluntary</li> </ul> </li> </ul>
<b>Findings</b>	CL G1
<b>Conclusion</b>	<p>From the foregoing, it can be confirmed that: -</p> <ul style="list-style-type: none"> <li>- Scatec Solar ASA (CME &amp; PP) has been authorized by each host party and one Annex 1 party involved</li> <li>- All PPs have been authorized by at least each party involved (Scatec Solar ASA, Segou Solaire SA, and the Norwegian Ministry for Climate &amp; Environment)</li> <li>- All letters of approval are unconditional</li> <li>- The letters of approval fulfil the stated criteria under the VVS.</li> </ul>

## SECTION H. Global stakeholder consultation

<b>Means of validation</b>	<p>A draft PoA design document was submitted to the validation team by the project participants. The DOE has made this report publicly available on 11/12/2014, to begin the validation process and invite stakeholder comments. No comments were received.</p> <p>Due to changes of PoA title and the PoA boundary, PoA documents were re-uploaded for GSCP on 22/10/2015 and 04/12/2015. No comments were received.</p> <p>/PS/ /VVS/ /PoA-DD/ /CPA-DD/ /unfccc/</p>
<b>Findings</b>	CAR D1
<b>Conclusion</b>	The global stakeholder consultation process has been adequately conducted.

## SECTION I. Contribution to sustainable development

<b>Means of validation</b>	<p>By means of checking section A.2 of the PoA-DD on the policy or stated goal of the PoA, it can be confirmed that the PoA will contribute to sustainable development through providing renewable energy to the host countries, reduction in anthropogenic emissions and provision of employment opportunities. The DNA of all the specific-case PV Power Generation Projects in Mali, Ghana, &amp; Burkina Faso have provided each a letter of approval (HCA) confirming that the proposed PoA (and CPAs) will contribute to sustainable development.</p> <p>The following sources of information have been used in this context:</p> <p>/HCA/ /PS/ /VVS/ /PoA-DD/ /CPA-DD/</p>
<b>Findings</b>	CL G1
<b>Conclusion</b>	In line with VVS §57-58, the project contributes to sustainable development of the host countries

## SECTION J. Modalities of communication

<b>Means of validation</b>	The DOE has directly checked the provided MoC statement in accordance with
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	<p>paragraph 61 a) of the CDM VVS version 09.0. and §86 guidelines of the CDM PS version 09.0</p> <ul style="list-style-type: none"> <li>➤ It is confirmed that the title of the PoA is consistent.</li> <li>➤ The joint signatories are shared between representatives of Scatec Solar ASA and the Norwegian Ministry of Climate and Environment as primary authorized signatories. Climate Mudial Limited has a power of Attorney to act on behalf of the CME in all matters under the PoA and is the main alternate signatory</li> <li>➤ The list of project participants in Section 2 covers Scatec Solar ASA, Segou Solaire SA, and the Norwegian Ministry of Climate and Environment.</li> </ul> <p>The following sources of information have been used in this context: /MoC/ /PoAt/ /PS/ /VVS/</p>
<b>Findings</b>	CL G1
<b>Conclusion</b>	The modalities of communication (MoC) statement has been completed as per §86 of the PS version 09.0

## PART II. Generic component project activity(ies)

### SECTION A. General description of generic CPA

<b>Means of validation</b>	<p>By checking Part II Section A.1 of the generic CPA-DD and the POA-DD it can be confirmed that</p> <ul style="list-style-type: none"> <li>- The PoA clearly defined the scope of a typical CPA. A real case CPA shall be a utility solar PV power plant between 15MWp and 200 MWp and utilizing the large-scale approved CDM methodology ACM0002 version 16.0.</li> <li>- As per §§65-67 of ACM0002 version 16.0, CPAs are regarded to be of the same type if they are similar with regard to the demonstration of additionality, emission reduction calculations and monitoring. The CPAs in this PoA are considered the same type, consisting of one renewable energy technology. Therefore, only one gCPA-DD has been submitted.</li> <li>- The information provided is consistent with the POA-DD.</li> <li>- The CPA will be implemented under an Independent Power Producer (IPP) commercial model, including a Power Purchase Agreement Contract with respective Host Country's electricity utility company(/ies).</li> </ul> <p>The following sources of information have been used in this context: /gCPA-DD/ /PoA-DD/ /CPA-DD/ /ACM2/</p>
<b>Findings</b>	CL gA1
<b>Conclusion</b>	Section A.1 of the generic CPA-DD adequately describes a typical specific-case CPA under the PoA. The CPAs are of the same type (photovoltaic) utilizing one methodology, and do not involve heat concentration. Therefore, only one gCPA-DD has been completed.

### SECTION B. Application of a baseline and monitoring methodology and standardized baseline

#### B.1. Applicability of selected methodology(ies) and/or standardized baseline

<b>Means of validation</b>	<p>By checking the PoA-DD and section A.1 of the generic CPA-DD, it can be confirmed that the CPAs under the PoA will comply with the applicability conditions of the methodology ACM0002 version 16.0 as follows</p> <ul style="list-style-type: none"> <li>• Each CPA will comply with the methodology and is a large scale, satisfying the applicable conditions throughout the crediting period.</li> </ul>
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	<ul style="list-style-type: none"> <li>The applied version is valid and available on the UNFCCC website.</li> <li>Each CPA applies the tools referred to in the applicable methodology.</li> <li>Each CPA will be utility scale greenfield solar PV project(s) connected to host country's grid under a PPA</li> <li>The installed equipment will be new</li> <li>Each CPA will apply only one methodology, so there are no cross-effects between the methodologies applied.</li> </ul> <p>The following sources of information have been used in this context:  /gCPA-DD/  /PoA-DD/  /IM01/  /ACM2/  /unfccc/  /TEC/</p>
<b>Findings</b>	CAR gB1
<b>Conclusion</b>	All applicability conditions of both methodologies will be met. No standardized baseline has been applied

**B.1.1. Deviation from methodology**

<b>Means of validation</b>	<p>No deviation from the selected methodologies has been applied or approved by the Board for the proposed PoA.</p> <p>The following sources of information have been used in this context:  /gCPA-DD/  /PoA-DD/  /IM01/  /ACM2/  /unfccc/</p>
<b>Findings</b>	N/A
<b>Conclusion</b>	No deviation has been applied or approved

**B.1.2. Clarification on applicability of methodology, tool and/or standardized baseline**

<b>Means of validation</b>	<p>There has been no clarification on the applicability of the selected methodologies or tools approved by the Board for the proposed PoA</p> <p>The following sources of information have been used in this context:  /gCPA-DD/  /PoA-DD/  /IM01/  /ACM2/  /unfccc/</p>
<b>Findings</b>	CAR gB2
<b>Conclusion</b>	No clarification has been issued

**B.2. Sources and GHGs**

<b>Means of validation</b>	<p>By checking section B.3 of the generic CPA-DD, and comparing it to the applied methodology/ies and similar CDM projects, the validation team confirms that the sources and GHGs included in the generic CPA boundary for the purpose of calculating project emissions and baseline emissions have been correctly included. In this case, for renewable power generation using solar PV technologies, only CO<sub>2</sub> has been considered a main GHG source in the baseline.</p> <p>The following sources of information have been used in this context:  /gCPA-DD/  /PoA-DD/  /ACM2/  /unfccc/</p>
<b>Findings</b>	CAR gB3
<b>Conclusion</b>	The PoA's spatial boundaries (geographical) within which all CPAs included in the PoA will be implemented is clearly defined. All sources and GHGs included in the PoA/CPA boundary are as required in the applicable methodology.

**B.3. Description of baseline scenario**

<b>Means of validation</b>	<p>In accordance with §42 of the CDM PS version 09.0, and VVS §97 &amp; 102, the baseline scenario for each CPA has been assessed. Section B.4 has been checked according to the requirements of the applied methodology</p> <p>ACM0002 version 16.0: If the project activity is the installation of a Greenfield power plant, the baseline scenario is electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin (CM) calculations described in the “Tool to calculate the emission factor for an electricity system”</p> <p>The following sources of information have been used in this context: /gCPA-DD/ /PoA-DD/ /ACM2/</p>
<b>Findings</b>	CAR gB4
<b>Conclusion</b>	The baseline scenario for Greenfield solar PV power plants is defined by each methodology.

**B.4. Demonstration of eligibility for a generic CPA**

No.	Eligibility criteria for the generic CPA	Means for assessment of inclusion of CPA	Means of validation/Findings/Conclusion
a)	All CPAs must take place within the geographical boundaries of the host countries listed in the Section A.4 above.	Assessment of §§18 a) of the PoA Standard version 04.0 <sup>/POAS/</sup> Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the respective methodologies	This criterion will ensure that all CPAs are within the geographical boundary set for the PoA. This can be checked via the host country letters of approval, GPS coordinates of the site plan, the CPA-DDs as well as relevant technical and financial aspects of the CPA. Therefore, criterion is objective and comprehensive to allow assessment and inclusion of the CPA into the registered PoA
b)	All CPAs shall avoid double counting of emission reductions by adopting the CME's unique alpha-numeric system for CPA numbering (refer section B.4, section C).	Assessment of §18 b) of the PoA Standard version 04.0 Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the respective methodologies	Establishing unique identities of each CPA, mentioned in the CPA-DD, by the CME, will ensure a unique system of verifying each CPA as a standalone project and inclusion into the PoA, without the risk of double-counting of emission reductions.
c)	All CPAs must be utility scale solar photovoltaic generation projects with an installed capacity between 15-200MWp. All CPAs shall also state the specifications of technology/measure, type of service, performance specifications including compliance with testing/certifications, in order to prove eligibility.	Assessment of §18 c) of the PoA Standard version 04.0 Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the respective methodologies	The scale and technology/measure of each component project activity allows the CME to assess applicability of methodology, potential emission reductions as well as suitability of the technology/measure for the registered PoA. Therefore, this criterion is essential and verifiable via technical specifications.
d)	Any CPA, in order to be eligible for participation in	Assessment of §18 d) of the PoA Standard version	As per the PoA Standard version 04.0, no CPA may commence before the PoA

No.	Eligibility criteria for the generic CPA	Means for assessment of inclusion of CPA	Means of validation/Findings/Conclusion
	this POA, must not have commenced any earlier than 11 December 2014	04.0 Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the respective methodologies	start of validation or exceed the PoA lifetime. Therefore, this criterion ensures that only eligible and additional CPAs are included into the proposed PoA. The CPA start date will be demonstrated according to §224 of the CDM PS version 9.0
e)	All CPAs shall meet the applicability requirements of the CDM methodology ACM0002: Grid-connected electricity generation from renewable sources - Version 16.0.	Assessment of §18 e) of the PoA Standard version 04.0 Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the methodology	Ensures applicability of the methodology in the PoA is met as per CDM guidelines. This can be verified through technical information and specific-case CPA-DDs provided by project participants
f)	All CPAs shall assess additionality in accordance with Section B.1 of the PoA and, in particular, the relevant approved methodology being applied, the Tool for the demonstration and assessment of additionality, as well as the Guidelines for First-of-its-Kind Project Activities (EB69 Annex 7)	Assessment of §18 f) of the PoA Standard version 04.0 Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the respective methodologies	The criterion provides a clear framework in which each CPA can demonstrate additionality, mainly based on scope and host country circumstances. It is possible to objectively demonstrate additionality via first-of-its-kind, positive lists or investment or barrier analysis using CDM guidelines. Therefore, this criterion is sufficiently established.
g)	All CPAs shall undertake an Environmental Impact Assessment (EIA) and engage in local stakeholder consultation in accordance with the requirements of the CDM and any other local approval processes as required and evidence shall be applied by the CME or commitments made to forward action.	Assessment of §18 g) of the PoA Standard version 04.0 Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the respective methodologies	All CDM project activities shall take into consideration environmental impacts of their proposed activities as well as take stakeholder consultations as part of their overall undertaking. It is therefore, possible that each real-case CPA demonstrates these processes with verifiable evidence in order to be included into the PoA. Therefore, this criterion is sufficiently established.
h)	Each CPA shall state whether any other climate finance has been obtained and, if so, the nature of climate finance instrument, the provider and any other information relevant to CDM. Each CPA shall also provide an affirmation that funding from Annex I Parties, if any, does not result in a diversion of official development assistance.(ODA).	Assessment of §18 h) of the PoA Standard version 04.0 Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the respective methodologies	Each real-case CPA shall demonstrate funding sources, including public funding and confirm that there is no diversion of ODA. Therefore, this criterion is sufficiently established.
i)	All CPAs shall be utility scale solar photovoltaic generation projects with an	Assessment of §18 i) of the PoA Standard version 04.0	The PoA aims to provide utility scale solar PV power technology for commercial purposes via PPAs in

No.	Eligibility criteria for the generic CPA	Means for assessment of inclusion of CPA	Means of validation/Findings/Conclusion
	installed capacity between 15-200MWp and provide power to the host country's national grid, in accordance with the Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities, Version 04.0 (EB74, Annex 05)	Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the respective methodologies	respective host countries.
j)	All CPAs must demonstrate that they shall be monitored individually and therefore not be subject to any sampling requirements.	Assessment of §18 j) of the PoA Standard version 04.0 Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0 Assessment of applicability conditions of the respective methodologies	Through a management system including a specific case monitoring plan, all CPAs in the PoA can be monitored individually, objectively reported, and verified. No sampling will be involved either at PoA or CPA level. This criterion is sufficiently established.
k)	All CPAs shall be approved by the host country DNA before inclusion in the POA	This criterion is established to confirm that all CPAs are within the project boundary and approved by the host country Assessment of the relevant provisions of the CDM VVS and CDM PS versions 09.0	The CME shall ensure that all included CPAs have been authorized by the host country DNA via a Letter of Approval. This is as per §43 of the CDM VVS version 09.0
l)	All CPAs shall include the CME as an equity partner or developer of the underlying project	CME own set financing/ownership criteria	This criterion has been established by the CME as per CME own policy before CPA inclusion into the PoA

<b>Means of validation</b>	By means of checking the Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for Programmes of Activities <sup>/POAs/</sup> against the PoA and the generic CPA-DD it can be confirmed that the definition of eligibility criteria for inclusion of a CPA under the PoA is sufficient and covers all criteria to ensure that each CPA would comply with the relevant CDM requirements applicable to the PoA
<b>Findings</b>	CAR B1, CAR B2
<b>Conclusion</b>	The eligibility criteria defined are verifiable, sufficiently objective and do allow to assess the inclusion of CPAs in the PoA.

## B.5. Estimation of emission reductions or net GHG removals by sinks of the generic CPA

### B.5.1. Explanation of methodological choices

<b>Means of validation</b>	Section B.6.1 of the gCPA-DD has been checked and compared with the methodological options in ACM0002. <ul style="list-style-type: none"> <li>- The equations are correctly applied according to the approved methodologies.</li> <li>- all data sources and assumptions are appropriate and parameters which</li> </ul>
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	<p>remain fixed throughout the crediting period are correct and applicable to the project and will lead to a conservative estimation of emission reductions</p> <p>The baseline emissions are to be calculated according to Equation (7) of ACM0002 version 16.0 as follows:</p> $ER_y = BE_y - PE_y$ <p>Where:</p> <table> <tr> <td><math>ER_y</math></td><td>Emission reductions</td></tr> <tr> <td><math>BE_y</math></td><td>Baseline Emissions</td></tr> <tr> <td><math>PE_y</math></td><td>Project emissions</td></tr> </table> <p>Baseline emissions are calculated according to Equation (7) of:</p> $BE_y = EG_{PJ,y} \times EF_{grid,CM,y}$ <p>Where:</p> <table> <tr> <td><math>EG_{PJ,y}</math></td><td>Quantity of net electricity</td></tr> <tr> <td><math>EF_{grid,CM,y}</math></td><td>CO2 emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system"</td></tr> </table> <p>The CPA is a Greenfield project, therefore, <math>EG_{PJ,y}</math> is calculated as per Equation (8) :</p> $EG_{PJ,y} = EG_{facility,y}$ <p>Where:</p> <table> <tr> <td><math>EG_{PJ,facility,y}</math></td><td>Quantity of net electricity generation supplied by the project plant/unit to the grid</td></tr> </table> <p><b>Project Emissions</b></p> <p>As per applied methodology, for solar photovoltaic technology:</p> $PE_y = 0$ <p><b>Leakage Emissions</b></p> <p>No leakage emissions are considered. The emissions potentially arising due to activities such as power plant construction and upstream emissions from fossil fuel use (e.g. extraction, processing, transport etc.) are neglected</p> <p>The following sources of information have been used in this context:</p> <p>/gCPA-DD/ /PoA-DD/ /ACM2/ /XLS/ /PS/ /VVS/</p>	$ER_y$	Emission reductions	$BE_y$	Baseline Emissions	$PE_y$	Project emissions	$EG_{PJ,y}$	Quantity of net electricity	$EF_{grid,CM,y}$	CO2 emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system"	$EG_{PJ,facility,y}$	Quantity of net electricity generation supplied by the project plant/unit to the grid
$ER_y$	Emission reductions												
$BE_y$	Baseline Emissions												
$PE_y$	Project emissions												
$EG_{PJ,y}$	Quantity of net electricity												
$EF_{grid,CM,y}$	CO2 emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system"												
$EG_{PJ,facility,y}$	Quantity of net electricity generation supplied by the project plant/unit to the grid												
<b>Findings</b>	CL gB6												
<b>Conclusion</b>	The generic CPA-DD has included sufficiently all methodological choices for greenfield large scale CPAs in line with the applicable methodology.												

### B.5.2. Data and parameters fixed ex ante

<b>Means of validation</b>	<p>Section B.6.2 of the gCPA-DD has been assessed for data fixed ex-ante, and compared to the relevant fixed parameters in section 5.10 of the ACM0002 version 16.0.</p> <p>In accordance with the option in §39 b) of the grid emission factor tool version 05.0, the CME has prescribed ex-post determination of the CO<sub>2</sub> emission factor of the grid electricity (<math>EF_{grid,y}</math>).</p> <p>The following sources of information have been used in this context:</p> <p>/gCPA-DD/</p>
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	/PoA-DD/ /ACM2/ /XLS/
<b>Findings</b>	CL gB6
<b>Conclusion</b>	No parameters will be fixed ex-ante.

### B.5.3. Ex ante calculation of emission reductions or net GHG removals by sinks

<b>Means of validation</b>	<p>The generic CPA-DD includes equations and prescribes methodological choices in accordance with ACM002, version 16.0.</p> <p>By checking ex-ante calculations of the first real-case CPAs, the validation team assessed the data used in the determination of the grid emission factors, and technical data of the proposed CPAs. The grid emission factors have been determined as per the Tool to calculate the emission factor of an electricity system. Ex-ante calculations have been carried out as per equations in section B.5.1 above</p> <p>The following sources of information have been used in this context:</p> <p>/gCPA-DD/ /CPA-DD/ /PoA-DD/ /TEF/ /ACM2/ /XLS/</p>
<b>Findings</b>	Refer to the specific-case CPA reports
<b>Conclusion</b>	Ex-ante equations are to be carried out for each CPA as prescribed in section B.5.1 above. The emission reductions real, measurable and give long-term benefits related to the mitigation of climate change.

### B.6. Application of the monitoring methodology and description of the monitoring plan

<b>Means of validation</b>	<p>Section B.7.2 contains a proposed generic monitoring plan for the PoA, in line with the requirements of the applied methodologies ACM0002, version 16.0. All data will be monitored through calibrated equipment and kept up to 2 years after the end of the crediting period. Specific monitoring requirements will be spelled out in each specific CPA.</p> <p>For the first specific-case CPAs, the CME has chosen to delay the submission of the monitoring plans and will submit prior to the submission of its request for issuance for the first monitoring period. Nonetheless, analysis of data to be monitored and the monitoring plan for each CPA is included in section B.6.1 and B.6.2 below.</p> <p>The following sources of information have been used in this context:</p> <p>/gCPA-DD/ /PoA-DD/ /ACM2/</p>
<b>Findings</b>	N/A
<b>Conclusion</b>	The PoA monitoring plan proposed and deemed sufficient in accordance with the requirements of the two methodologies and grid emission factor tool applied. Please refer also to section B.6.1 and B.6.2 below

#### B.6.1. Data and parameters to be monitored by the generic CPA

<b>Means of validation</b>	<p>Data and parameters to be monitored by each real-case CPA for the purpose of emission reduction calculations are included in section B.7.1 of the gCPA-DD. Emissions reductions are calculated based on the product of net electricity generated and exported to the host country grid and the grid emission factor of the grid. The following parameters will be monitored ex-ante.</p> <ul style="list-style-type: none"> <li>- <math>EG_{\text{facility},y}</math></li> <li>- <math>EF_{\text{grid,CM},y}</math></li> </ul> <p>It can be confirmed that this is correct for the proposed CPAs according to the applicable methodologies.</p> <p>The following sources of information have been used in this context:</p> <p>/gCPA-DD/</p>
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	/PoA-DD/ /ACM2/ /TA/
<b>Findings</b>	CL gB7, CL gB8
<b>Conclusion</b>	Data and parameters proposed to be monitored by each CPA are correct.


### B.6.2. Description of the monitoring plan for the generic CPA

<b>Means of validation</b>	<p>Section B.7.2 of the generic CPA-DD (gCPA-DD) contains a proposed monitoring plan for each CPA. The monitoring plan has been assessed against the requirements of each applied methodology, CDM VVS and the CDM PS.</p> <p>Monitoring for each CPA will involve collecting the quantity of net electricity generation supplied by the project to the grid each year. Electricity generation is monitored and the data is stored continuously through calibrated meters, both in electronic and paper form and aggregated monthly. Data is archived until 2 years after the end of the crediting period. Roles and responsibilities for overall project management lie with the CME and project consultant.</p> <p>Monitoring will also involve data sourcing and calculation of respective grid emission factors for the relevant electricity system.</p> <p>The following sources of information have been used in this context: /gCPA-DD/ /PoA-DD/ /ACM2/ /VVS/ /PS/ /IM01/</p>
<b>Findings</b>	CL gB7
<b>Conclusion</b>	<p>The proposed generic monitoring plan for each CPA is sufficient for the purpose of determining emission reductions.</p> <p>Each CPA will be monitored individually and therefore, no sampling is involved.</p>

## Appendix 1. Abbreviations

Abbreviations	Full Texts
BAU	Business as usual
CA	Corrective Action / Clarification Action
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification Request
CME	Coordinating / Managing Entity
CO <sub>2</sub>	Carbon dioxide
CO <sub>2e</sub>	Carbon dioxide equivalent
CP	Certification Program
CPA	Component Project Activity
CPA-DD	Component Project Activity Design Document
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	CDM Executive Board
EC	Eligibility Criterion/Criteria
EIA	Environmental Impact Assessment
FAR	Forward Action Request
GHG	Greenhouse gas(es)
GSCP	Global Stakeholder Consultation Process
IPCC	Intergovernmental Panel on Climate Change
PoA	Programme of Activities
PoA-DD	Programme of Activities Design Document
PS	CDM Project Standard
QA/QC	Quality control/Quality assurance
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard

## Appendix 2. Competence of team member and technical reviewer(s)



**Statement of Competence**  
Appointment and authorization according to the procedures of the TUV NORD JICDM Certification Program

**Mr. Grzegorz Kochaniewicz**

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2019-02-08
VCS / ISO 14064-2	Senior Assessor	2019-02-08


Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewables
3.1	Energy Demand
14.1	Afforestation and Reforestation

173 - Rev. 7, Date: 2016-02-09

173\_S01-VA080-F20\_2016-02-09\_rev7.doc

801-VA080-F20 rev3 / 2012-10-28



**Statement of Competence**  
Appointment and authorization according to the procedures of the TUV NORD JICDM Certification Program

**Mr. David Lubanga**

SCHEME	STATUS	VALID UNTIL
CDM	Lead Assessor (Validation, Verification)	2015-10-20
VCS / ISO 14064-2	Lead Assessor	2015-10-20


Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewables
3.1	Energy demand

251 - Rev. 4, Date: 2015-10-21

251\_S01-VA080-F20\_2015-10-21\_rev4.doc

801-VA080-F20 rev3 / 2012-10-28



**Statement of Competence**  
Appointment and authorization according to the procedures of the TUV NORD JICDM Certification Program

**Ms. Christina Stöhr**

SCHEME	STATUS	VALID UNTIL
CDM	Assessor (Validation, Verification) Technical Reviewer	2017-12-12
VCS / ISO 14064-2	Assessor/ Technical Reviewer	

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.1	Thermal energy generation
1.2	Renewables
13.1	Solid waste and wastewater

200 - Rev. 4 Date: 2015-06-09

200\_S01-VA080-F20\_2014-12-13\_rev4.doc

801-VA080-F20 rev3 / 2012-10-28

## Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	CME	<p>Real Case CPA-Design Documents</p> <p>“33MWp Segou PV Power Generation Project in Mali”,</p> <ul style="list-style-type: none"> <li>- version 1.2, dated 2014-12-04</li> <li>- version 1.3, dated 2015-10-18</li> <li>- version 1.4, dated 2016-01-18</li> <li>- version 1.5, dated 2016-03-22</li> <li>- version 1.6, dated 2016-08-12</li> <li>- version 1.7, dated 2016-09-12</li> <li>- version 1.8, dated 2016-11-11</li> </ul> <p>20MW Ningo PV Power Generation Project in Ghana</p> <ul style="list-style-type: none"> <li>- version 1.2, dated 2015-06-08</li> <li>- version 1.3, dated 2016-01-25</li> <li>- version 1.4, dated 2016-02-25</li> <li>- version 1.5, dated 2016-04-08</li> <li>- version 1.6, dated 2016-08-09</li> <li>- version 1.7, dated 2016-08-12</li> <li>- version 1.8, dated 2016-09-12</li> <li>- version 1.9, dated 2016-09-20</li> <li>- version 2.0, dated 2016-11-11</li> </ul> <p>17MWp Zagatouli PV Power Generation Project in Burkina Faso</p> <ul style="list-style-type: none"> <li>- version 1.2, dated 2015-06-08</li> <li>- version 1.3, dated 2015-07-01</li> <li>- version 1.4, dated 2016-04-01</li> <li>- version 1.5, dated 2016-04-11</li> <li>- version 1.6, dated 2016-08-09</li> <li>- version 1.7, dated 2016-08-12</li> <li>- version 1.8, dated 2016-09-12</li> <li>- version 1.9, dated 2016-09-20</li> <li>- version 2.0, dated 2016-11-11</li> </ul>	/CPA-DD/	PP
2	CME	<ul style="list-style-type: none"> <li>- Host Country Approval from the DNA of Mali, serial number 1078/MEADD/AEDD, dated 2015-11-20</li> <li>- Host Country Approval from the DNA of Ghana,</li> <li>- Host Country Approval from the DNA of Burkina Faso, serial number 2016-002/MEEVCC/SP-CNDD/DPCIE dated 2016-08-02</li> <li>- Letter Approval from the DNA of Norway, ref number 2013/3678 dated 2016-04-08</li> </ul>	/HCA/	PP
3	CME	<p>Project Design Document “Scaling-Up Solar Photovoltaic Power Generation Across Africa and the Levant Region.”</p> <ul style="list-style-type: none"> <li>- Version 1.1, dated 2014-12-04, hosted from 2014-12-11 to 2015-01-09</li> <li>- Version 1.2, dated 2015-10-18, hosted from 2015-10-22 to 2015-11-20</li> <li>- version 1.3, dated 2015-12-14</li> </ul>	/PoA-DD/	

No.	Author	Title	References to the document	Provider
		<ul style="list-style-type: none"> <li>- version 1.4, dated 2016-01-18</li> <li>- version 1.5, dated 2016-03-22</li> <li>- version 1.6, dated 2016-08-09</li> <li>- version 1.7, dated 2016-08-12</li> <li>- version 1.8, dated 2016-09-12</li> <li>- version 1.9, dated 2016-11-11</li> </ul>		
4	CME	Stakeholder consultation Report Signed by Dr. Beidari Traore	/SHCP/	PP
5	CME	Emission reduction calculation spreadsheets: <ul style="list-style-type: none"> <li>- Segou GEF Calculation for Validation_2015-04-05</li> <li>- Revised ZAGTOULI GEF CALCULATIONS FOR VALIDATION 2016-04-08</li> <li>- Zagtouli 5-year average</li> <li>- NINGO GEF CALCULATIONS FOR VALIDATION_2015-12-09</li> <li>- Ghana 5 year average</li> <li>- WAPP GEF 2014</li> <li>- NINGO GEF CALCULATIONS - revised 20161110 for IRC</li> <li>- SEGOU GEF CALCULATIONS - revised on 20161110 for IRC</li> <li>- ZAGTOULI GEF CALCULATIONS - revised 20161110 for IRC</li> </ul>	/XLS/	PP
6	Climate Focus	UNEP Risoe WAPP GEF Feasibility Study and Calculations	/WAPP/	
7	UNFCCC	ACM0002: Grid-connected electricity generation from renewable sources ACM0002 Version 16.0.	/ACM2/	UNFCCC
8	UNFCCC	TÜV NORD JI / CDM CP Manual (incl. CP procedures and forms)	/CPM/	
09	IPCC	IPCC Good Practice Guidance & Uncertainty Management in National Greenhouse Gas Inventories, 2000 Revised 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Reference Manual		IPCC
10	UNFCCC	Additionality of first-of-its-kind project activities (version 3.0)	/FOK/	
11	UNFCCC	Demonstration of additionality of small-scale project activities (version 10.0)	/AT/	
12	UNFCCC	CDM project cycle procedure (version 9.0)	/PCP/	UNFCCC
13	CME	Modalities of Communication	/MoC/	CME
14	CME	Power of Attorney (dated 27/05/2016)	/PoAt/	UNFCCC
15	UNFCCC	Kyoto Protocol (1997)	/KP/	UNFCCC
16	UNFCCC	Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for Programmes of Activities (EB87, Annex 03.0, version 04.0)	/POAS/	UNFCCC
17	UNFCCC	Programme design document form for CDM programmes of activities (CDM-PoA-DD-Form) - Version 06.0	/PDD-T/	UNFCCC
18	UNFCCC	Tool for the demonstration and assessment of additionality (Ver. 7.0.0).	/TA/	UNFCCC
19	UNFCCC	Tool to calculate the emission factor of an electricity system (Ver. 05.0).	/TEF/	UNFCCC
20	UNFCCC	CDM Project Standard (Version 09.0)	/PS/	UNFCCC
21	UNFCCC	CDM Validation and Validation Standard (Version 09.0)	/VVS/	UNFCCC
22	UNFCCC	Methodological Tool: Investment Analysis (Version 06.0)	/VVS/	UNFCCC

No.	Author	Title	References to the document	Provider
23	Agence de l'Environnement et du Développement Durable (AEDD)	<a href="http://www.environnement.gov.ml/">http://www.environnement.gov.ml/</a>	/dna-HP1/	DNA of Mali
24	UNEP Riso Centre	<a href="http://www.cd4cdm.org">www.cd4cdm.org</a>	/cd4cdm/	UNEP
25	IPCC publications	<a href="http://www.ipcc-nggip.iges.or.jp">www.ipcc-nggip.iges.or.jp</a>	/ipcc/	IPCC
26	UNFCCC	<a href="http://cdm.unfccc.int">http://cdm.unfccc.int</a>	/unfccc/	UNFCCC

## Appendix 4. Clarification requests, corrective action requests and forward action requests

In the following tables the findings from the desk review of the CPA-DD, visits, interviews and supporting documents are summarised:

**Table 1. CL from this validation**

<b>CL ID</b>	A3	<b>Section no.</b>	A.2	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
PoA-DD section A.2				
Please state clearly if this is a large-scale PoA, and clarify why the range of 5MWp to 200MWp applies only a large-scale methodology.				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
<p>1. This PoA combines large-scale and some small-scale CPAs. In cases where CPA is below 15 MW we have updated the PoA-DD to reflect that we will use the small-scale methodology, 'Grid connected renewable electricity generation, version 18.0'. See attached document with tracking changes.</p> <p>2. The CME declares that any small-scale project will not represent any de-bundling. In doing so, the CME intends to demonstrate that there are no other small-scale activities:</p> <p>(a) With the same project participants;</p> <p>(b) In the same project category and technology/measure; and</p> <p>(c) Registered within the previous 2 years; and</p> <p>(d) Whose project boundary is within 1 km of the project boundary of the proposed small-scale activity at the closest point</p>				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/> Changes in the PoA-DD		Section(s): A.2	New version No.: 1.2	
<input type="checkbox"/> Changes in XLS		Worksheet(s):	New version No.:	
<input type="checkbox"/> Other:				
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
Ok, as clarified and included in section A.2. The CME intends to include both SSC and LSC CPAs in the PoA and therefore both a SSC and LSC methodology have been applied.				
Update: 11/11/2016				
Following incomplete issue raised by the CDM secretariat on 09/11/2016, the CME has decided to exclude the small scale methodology AMS-I.D version 18.0 as project CPAs range from 15MWp-200MWp				
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

<b>CL ID</b>	A4	<b>Section no.</b>	A.4	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD, section A.4				
It is not clear whether the Project Participants are private or public entities				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
All the Project Participants are private entities. Please refer revised POA-DD in tracked changes for explicit denomination of this on each project participant, as per the attached.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/> Changes in the PoA-DD		Section(s): A.4	New version No.: 1.2	
<input type="checkbox"/> Changes in XLS		Worksheet(s):	New version No.:	
<input type="checkbox"/> Other:				
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015

All the Project Participants are private entities. Information is now included in section A.4 of the PoA-DD.	
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

<b>CL ID</b>	A5	<b>Section no.</b>	A.7	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD section A.7				
PP states that public funding from an annex 1 party(ies) might be involved in the PoA. Clear information on public findings from annex 1 parties' used/ received for the PoA has not provided for validation.				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
The PoA-DD has been updated to reflect that CME may use climate finance on specific CPAs, which shall not result in a diversion of ODA. The CME purposes to work with its financiers on a CPA-by-CPA basis to determine the origin or source of climate finance to ensure it is not diverting ODA in accordance with OECD rules. Please refer revised POA-DD in tracked changes as per the attached.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s): A.7	New version No.: 1.2	
<input type="checkbox"/>	Changes in XLS	Worksheet(s):	New version No.:	
<input type="checkbox"/>	Other:			
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
PP has provided further information in the PoA-DD. Public funding might be involved in some CPAs but it will be ensured that no diversion of ODA occurs. A declaration for each CPA to be included in the PoA will be obtained to confirm the same. An eligibility criterion has also been added				
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

<b>CL ID</b>	C1	<b>Section no.</b>	C	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD section C				
1. It is not clear if each CPA will be monitored, or why sampling plan is not required. 2. The management system does not fully cover all the requirements of the PoA Standard (EB74, Annex 05) § 19 and 20, and is consequently deemed insufficient for validation.				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
1. The PoA-DD has been amended to require that each CPA be monitored individually. Therefore no sampling shall be required. 2. We have updated the PoA so that it refers to the Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities (Version 01.0), Section C, and that the CME now defines criteria for the use of multiple methodologies.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s): C	New version No.: 1.2	
<input type="checkbox"/>	Changes in XLS	Worksheet(s):	New version No.:	
<input type="checkbox"/>	Other:			
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
1. Each CPA will be verified individually and hence, no sampling is involved 2. The version of the Standard for the Demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities is out of date				
<b>CME response (2nd round)</b>				<b>Date:</b> 06/12/2015
We did not make reference to the Standard for the Demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities in Section C				
<b>Documentation provided by CME</b>				
<input type="checkbox"/>	Changes in the PoA-DD	Section(s): C	New version No.: 1.2	
<input type="checkbox"/>	Changes in XLS	Worksheet(s):	New version No.:	

<input checked="" type="checkbox"/> Other:		
<b>DOE assessment (2nd round)</b>		<b>Date:</b> 09/12/2015
The version of the Standard for the Demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities is referenced as version 01.0 in Section C of the PDD, version 1.2		
<b>CME response (3rd round)</b>		<b>Date:</b> 13/12/2015
The version of the Standard for the Demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities has been referenced now in Section C of the PoA-DD as version 04.0.		
<b>Documentation provided by CME</b>		
<input type="checkbox"/> Changes in the PoA-DD	Section(s): C	New version No.: 1.3
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:
<input checked="" type="checkbox"/> Other:		
<b>DOE assessment (3rd round)</b>		<b>Date:</b> 11/01/2016
The correct version of the Standard for the Demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities has been referenced correctly in Section C of the PoA-DD as version 04.0.		
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed	

<b>CL ID</b>	G1	<b>Section no.</b>	G	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD, section G				
1. At draft validation stage, no host country letters of approval are available for all the first CPAs. 2. At draft validation stage, no CME letter of authorization of its coordination of the PoA has been obtained from DNA of Mali. 3. The MoC from the PoA CME shall be available to the DOE for validation in accordance with relevant provisions of the CDM validation and verification standard, version 09.0				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
1. Letter of approval has been obtained from Mali dated 4 December 2014 and is now included in Appendix F. 2. [still needed]. 3. Please see attached MoC form.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): G		New version No.: 1.2	
<input type="checkbox"/> Changes in XLS	Worksheet(s):		New version No.:	
<input type="checkbox"/> Other:				
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
1. No letter of approval from Mali DNA has been furnished to the DOE. 2. No CME letter of authorization of its coordination of the PoA from DNA of Mali has been furnished to the validator or included in the PoA-DD as suggested. Section G of the PoA-DD version 1.2 is not completed as per the real situation 3. No MoC has been provided for validation				
<b>CME response (2nd round)</b>				<b>Date:</b> 06/12/2015
The CME obtained a letter of approval and authorisation from the DNA of Mali dated 20 November 2015. The completed MoC shall be provided this week.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): G		New version No.: 1.2	
<input type="checkbox"/> Changes in XLS	Worksheet(s):		New version No.:	
<input checked="" type="checkbox"/> Other: Refer attached letter				
<b>DOE assessment (2nd round)</b>				<b>Date:</b> 09/12/2015
1. A host country letter of approval (LoA) serial number 1078/MEADD/AEDD dated 2015-11-20 has been granted by the DNA of the Republic of Mali (Agence de l'Environnement et du Développement Durable (AEDD)). The letter has been received from the CME, and is signed by an authorized party - Directrice Générale Adjointe.				

In accordance with the stipulations of § 81-85 of the CDM PS version 09.0, and §51-55 of the CDM VVS version 09.0, the letter confirms that:

- Scatec Solar ASA and Segou Solaire SA are the CME and PP of the proposed PoA and specific case CPA
- Mali has ratified the Kyoto Protocol
- Mali's participation in the CDM and the PoA is voluntary
- The project assists Mali in achieving sustainable development
- The LoA is unconditional

Nonetheless, as per §§81-85 the CDM PS, version 09.0 and §§51-55 of the CDM VVS version 09.0, since two more host countries are added, the LoAs for the other host countries are outstanding

2. The LoA acts as CME letter of authorization<sup>/LoA/</sup>.

3. MoC<sup>/MoC/</sup> has been submitted and signed by authorized primary and alternate persons, and assessed as completed as per the MoC CDM template requirements. The joint focal point entities communicating with the EB/CDM Secretariat will be signatories Scatec Solar ASA and the Norwegian Ministry of Climate and Environment. Alternate authorized signatories representing the CME in all communications with the CDM Secretariat are representatives from climate Mundial, who have the Power of Attorney<sup>/PoA/</sup> from the CME to act as such. Therefore, the MoC received from an authorized entity on behalf of the CME and has been re-confirmed via email communication

4. The MoC applies the latest valid version of the F-CDM-MOC form

5. Scatec Solar ASA has a contractual relationship with the validating DOE

<b>CME response (2nd round)</b>	<b>Date:</b> 03/03/2016
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Burkina Faso and Ghana have been removed from the PoA for as the CME is yet to obtain the final Letters of Approval (LoA). As such, the PoA only includes Mali for now. Other host countries will be added in future via post registration changes once LoAs are secured.

<b>Documentation provided by CME</b>		
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<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): G	New version No.: 1.2
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:
<input checked="" type="checkbox"/> Other: Refer attached letter		

<b>DOE assessment (2nd round)</b>	<b>Date:</b> 03/03/2016
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1. The PoA project boundary is now only the Republic of Mali at registration stage since no other real case CPAs or LoAs are available from other host countries at this stage of validation.

<b>CME response (2nd round)</b>	<b>Date:</b> 03/03/2016
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Ghana and Burkina Faso LoAs have been obtained and therefore the PoA boundary now involves Ghana and Burkina Faso

<b>Documentation provided by CME</b>		
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<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): G	New version No.: 1.2
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:
<input checked="" type="checkbox"/> Other: Refer attached letter		

<b>DOE assessment (3rd round)</b>	<b>Date:</b> 03/03/2016
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The PoA project boundary is retained as per documents uploaded on 04/12/2015 due to the acquisition of the Ghana and Burkina Faso LoAs.

The Ghana LoA for the PoA (and CPA) has been obtained and has been analysed in section G of this report

The Burkina Faso LoAs for the PoA (and CPA) have also been obtained and has been analysed in section G of this report

The LoA from the Norwegian Environment Agency reference number 2013/3678 has also been obtained, allowing the Norwegian Ministry of Climate and Environment to be a participant in this PoA. The LoA confirms that Norway is a party to the Kyoto Protocol, and that participation in the PoA by the Annex I PP is voluntary

<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed
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<b>CL ID</b>	gA1	<b>Section no.</b>	Part II, section A.1	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				

Draft PoA-DD Part II, section A.1			
1. Please clarify the phrase 'first CPA' on a generic CPA-DD. 2. Please clarify how the CME has determined that all host countries have a fixed 25-year PPA. Ghana PPA is only indicated as 20 years			
<b>CME response (1<sup>st</sup> round)</b>			<b>Date:</b> 18/10/2015
1. First CPA was an error and has been removed. 2. The CME has not determined that PPAs in all countries shall be for 25 years and therefore removed references to the duration of the PPA for generic purposes.			
<b>Documentation provided by CME</b>			
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s): Part II, section A.1	New version No.: 1.2
<input type="checkbox"/>	Changes in XLS	Worksheet(s):	New version No.:
<input type="checkbox"/>	Other:		
<b>DOE assessment (1<sup>st</sup> round)</b>			<b>Date:</b> 26/11/2015
1. The generic CPA-DD has been corrected and covers now only a general description. 2. The generic reference to 25-year PPAs for all CPAs has now been appropriately deleted as these could vary from one CPA to another.			
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed	

<b>CL ID</b>	gB6	<b>Section no.</b>	Part II, section B.6.1	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD, Part II, section B.6.1				
1. CME does not clarify how it has been determined that all CPAs in the host countries above will be <i>first-of-its-kind</i> , considering subsequent CPAs in the same host country. 2. The unique CPA numbering is not clear. 3. The section is not in line with the filling instructions from the template.				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
1. This section is clarified. Please see attached 2. The CPA unique identification number is added to PoA-DD. Please see attached. 3. The text is revised and completed in full as per the template requirements. Please see attached.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s): Part II, section B.6.1	New version No.: 1.2	
<input type="checkbox"/>	Changes in XLS	Worksheet(s):	New version No.:	
<input type="checkbox"/>	Other:			
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
1. a) Only relevant information as per template requirements is to be included in section B.6.1. Any information on additionality shall be confined to the relevant section (PoA-DD section B.1). b) Methodological choices (including all equations to be applied) based on the applied ACM0002 and AMS-I.D. shall be clearly and separately demonstrated in this section B.6.1 2. Details of each CPA unique identification have now been included in section C of the PoA-DD. An alpha-numeric number will be introduced for each CPA, allowing its unique identification and reference, as demonstrated in section A.2 of the real-case CPA-DDs submitted. Therewith each CPA can be uniquely identified. Issue is closed. 3. Text has been revised. However, see point b above.				
<b>CME response (2nd round)</b>				<b>Date:</b> 06/12/2015
This section has now been significantly revamped to ensure that only the information as per the requirements of the CPA-DD template, Section 5 of ACM0002 Grid-connected electricity generation from renewable sources, Version 16.0 and/or Section 5.5 of AMS-I.D. Small-scale methodology, Grid connected renewable electricity generation, Version 18.0, baseline emissions include only CO <sub>2</sub> emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity. The unique numbering system has been relocated to Section C (Management System).				

<b>Documentation provided by CME</b>			
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): Part II, section B.6.1	New version No.: 1.2	
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:	
<input type="checkbox"/> Other:			
<b>DOE assessment (2nd round)</b>			<b>Date:</b> 09/12/2015
1 a) Additionality information has been moved to the correct section. Issue is closed.			
b) section B.6.1 is not in line with the filling instructions from the template			
<b>CME response (3rd round)</b>			<b>Date:</b> 13/12/2015
1. b) This section is now completed as per template form guidelines. The methodological steps for calculating baseline emissions, project emissions, leakage emissions and emission reductions are provided for each generic CPA. The equations used in calculating emission reductions are also stated.			
<b>Documentation provided by CME</b>			
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): Part II, section B.6.1	New version No.: 1.3	
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:	
<input type="checkbox"/> Other:			
<b>DOE assessment (3rd round)</b>			<b>Date:</b> 26/11/2015
1. b) Please demonstrate and refer to exact equations in each of the two methodologies (SSC & LSC) & tools under the PoA, separately			
<b>CME response (4th round)</b>			<b>Date:</b> 15/01/2016
The CME has update the PoA-DD to make clear that the methodological choices shall be determined in accordance with either Section 5 of ACM0002 Grid-connected electricity generation from renewable sources, Version 16.0 or Section 5.5 of AMS-I.D. Small-scale methodology, Grid connected renewable electricity generation, Version 18.0. Depending whether the CPA concerned is small or large scale, different methodological steps shall apply.			
<b>Documentation provided by CME</b>			
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): Part II, section B.6.1	New version No.: 1.3	
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:	
<input type="checkbox"/> Other:			
<b>DOE assessment (4th round)</b>			<b>Date:</b> 15/01/2016
1. b) All methodological choices relevant to the CPAs have been included in the gCPA-DD and deemed to be correct for the purposes of ex-post emission reduction calculation.			
Update: 11/11/2016			
Following incomplete issue raised by the CDM secretariat on 09/11/2016, the CME has decided to exclude the small scale methodology AMS-I.D version 18.0 as project CPAs range from 15MWp-200MWp			
<b>Conclusion</b> Tick the appropriate checkbox		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed	

<b>CL ID</b>	gB7	<b>Section no.</b>	Part II, section B.7.2	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD Part II, section B.7.2				
The following information is missing in the monitoring plan: sufficient QA/QC procedures				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
In the large-scale methodology, ACM0002, it says: "Cross-check measurement results with records for sold electricity" and in the PoA-DD it says: "Reported production levels must match with invoicing for production and sold electricity under the PPA for the CPA".				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): Part II, section B.7.2	New version No.: 1.2		
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:		
<input type="checkbox"/> Other:				
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
Details of roles and responsibilities for data collection, reporting, archiving as well as calibration of electricity meters have been included. Overall project management is also assigned to CME or CME consultant.				
<b>Conclusion</b> Tick the appropriate checkbox		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

<b>CL ID</b>	gB8	<b>Section no.</b>	Part II, section B.7.2	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD Part II, section B.7.2				
The following information is missing in the monitoring plan:				
1. Overall project management of a CPA 2. Responsibilities for data collection, aggregation, reporting, and archiving 3. Calibration of electricity meters 4. Routine maintenance & trouble-shooting procedures for a CPA				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
Point 1-4 is now included in the monitoring plan. Please see attached PoA-DD				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s):	Part II, section B.7.2	New version No.: 1.2
<input type="checkbox"/>	Changes in XLS	Worksheet(s):		New version No.:
<input type="checkbox"/>	Other:			
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
Overall project management is clearly assigned to CME or CME consultant.				
Details of roles and responsibilities for data collection, reporting, archiving as well as calibration of electricity meters have been included. These roles and responsibilities will lie with the CPA project implementers.				
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

Table 2. CAR from this validation

<b>CAR ID</b>	A1	<b>Section no.</b>	Cover Page	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD, cover page				
1. The date format is not as per PoA-DD template guideline 2. The CDM template format and text shall not be altered 3. The applied ACM0002 methodology version is not the latest one.				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
1. The date has now been amended in the POA-DD to reflect the guidelines version 4.1. Please refer revised POA-DD in tracked changes as per the attached. 2. The format and text have now been changed to reflect the current version of methodology ACM0002, version 16 and we have also added AMS-I.D. Small-scale methodology, Grid connected renewable electricity generation, Version 18.0, for CPAs with installed capacity less than 15MW. 3. The current version of methodology ACM0002 is version 16. Therefore we have updated the POA-DD to reflect that version 16 has indeed been used. Please refer revised POA-DD in tracked changes as per the attached.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s):	Cover Page	New version No.: 1.2
<input type="checkbox"/>	Changes in XLS	Worksheet(s):		New version No.:
<input type="checkbox"/>	Other:			
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015

<p>1. The date format has been revised as per filling instructions from the template</p> <p>2. The PoA-DD template format is now as per the latest template (CDM-PoA-DD-FORM), version 05.0</p> <p>3. The latest version of the CDM methodology ACM0002, version 16.0 is now correctly included. Same applies to version 18.0 of AMS-I.D.</p> <p>Update: 11/11/2016</p> <p>Following incomplete issue raised by the CDM secretariat on 09/11/2016, the CME has decided to exclude the small scale methodology AMS-I.D version 18.0 as project CPAs range from 15MWp-200MWp</p>	
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

<b>CAR ID</b>	A2	<b>Section no.</b>	A.1	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD, section A.1				
The section is not completed as per CDM-PoA-DD-FORM template requirements w.r.t points b and c				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
The format has now been amended in accordance with the requirements of the template CDM-PoA-DD-FORM, version 4.1, which now includes the date of PoA-DD completion and the version number.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s):	A.1	New version No.: 1.2
<input type="checkbox"/>	Changes in XLS	Worksheet(s):		New version No.:
<input type="checkbox"/>	Other:			
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
Section A.1 now includes the PoA-DD version 1.2, and the date of latest completion 18/10/2015. This is deemed correct as per PoA-DD template version 05.0.				
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed		

<b>CAR ID</b>	B1	<b>Section no.</b>	B.1	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD, section B.1				
The PoA-DD does not sufficiently prescribe CPA additionality demonstration as per the following guideline:				
<ol style="list-style-type: none"> <li>1. The applied methodology § 29-32;</li> <li>2. The additionality tool version <sup>/TA/</sup></li> <li>3. EB 74, Annex 05 § 13, and;</li> <li>4. PP did not sufficiently demonstrate that the proposed CDM PoA is additional in accordance with the "Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities" <sup>/POAS/</sup>.</li> </ol>				
Issue:				
The PoA-DD states that "the following parameters are defined by CME for the investment analysis:				
<ol style="list-style-type: none"> <li>1. IRR,</li> <li>2. NPV, cost benefit ratio, or other relevant metric</li> </ol>				
However, the PoA-DD does not define other input parameters that will be used in the investment analysis, such as the parameters that will be used for the calculation of the IRR (i.e. Investment cost, O&M cost, Tariff, project output, etc), together with a description of how the values for these parameters will be obtained for each CPA, in accordance with the Standard for the Demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities <sup>/POAS/</sup>				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015

1. The PoA-DD has now been revised to sufficiently prescribe CPA additionality demonstration as per the following guideline: -
  1. The applied methodology § 29-32;
  2. The additionality tool version 07.0.0
  3. EB 74, Annex 05 § 7-13, and;
  4. PP is now sufficiently demonstrating that the proposed CDM PoA is additional in accordance with the “Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities” as per PS version 05, paragraph 154.
2. Other input parameters have been defined in addition to a description of how the values for these parameters will be obtained for each CPA (please see table in attached PoA-DD), in accordance with the Standard for the Demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities

**Documentation provided by CME**

<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): B.1	New version No.: 1.2
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:
<input type="checkbox"/> Other:		

**DOE assessment (1<sup>st</sup> round)****Date:** 26/11/2015

PoA-DD version 1.2

1. In section B.1 of the revised PoA-DD, the CME has outlined additionality criteria for each type and scale of CPA
  - (a) Additionality of *first-of-its-kind* projects can be demonstrated using *Tool for the Additionality of First-of-its-kind Project Activities* <sup>/FOK/</sup>
  - (b) For SSC solar projects that are not *first-of-its-kind*, additionality can be demonstrated as per §10-11 a) of the *Tool for demonstrating additionality of small-scale project activities* <sup>/AT/</sup>
  - (c) For LSC solar CPAs additionality can be demonstrated as per the simplified procedure in ACM0002 §29-30. As well as §33 of the methodological tool: *Tool for the Demonstration and Assessment of Additionality* <sup>/TA/</sup>
  - (d) All CPA eligibility criteria shall adhere to §7-13 of the PoA Standard: *Demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities* <sup>/POAS/</sup>
2. CME has included and defined other input parameters in addition to their expected sources. This is now consistent with §13 of EB74, Annex 05.

Update: 11/11/2016

Following incomplete issue raised by the CDM secretariat on 09/11/2016, the CME has decided to exclude the small scale methodology AMS-I.D version 18.0 as project CPAs range from 15MWp-200MWp

**Conclusion**

Tick the appropriate checkbox

- ☐ Additional action should be taken (finding remains open)
- ☒ The finding is closed

<b>CAR ID</b>	B2	<b>Section no.</b>	B.2	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				

Draft PoA-DD, section B.2			
<ol style="list-style-type: none"> <li>1. Eligibility criteria (EC) has omitted the requirements of the PoA Standard § 16 b)</li> <li>2. Eligibility criterion 3. The methodology version is not the latest. CPAs to comply with other methodological / tool requirements besides the methodology.</li> <li>3. Eligibility criterion 6. Does not meet the requirements of the PoA standard § 16 h)</li> <li>4. Eligibility criterion 7. Start date of any CPA cannot be before 2014-12-11 (start of PoA validation).</li> <li>5. No eligibility criterion as per § 16 i) of the PoA standard is presented</li> <li>6. No eligibility criterion as per § 16 j) of the PoA standard is presented</li> <li>7. No eligibility criterion as per § 16 l) of the PoA standard is presented</li> <li>8. No eligibility criterion on Sampling requirements of the CPAs in accordance with the applicable guidelines by the EB.</li> <li>9. No question from DOE</li> <li>10. Eligibility criterion regarding undertaking of local stakeholder consultation as prescribed by the PoA-DD, and required evidence is missing.</li> <li>11. As per PoA Standard<sup>/POAS/</sup>, each eligibility criterion shall have verifiable evidence.</li> </ol>			
<b>CME response (1<sup>st</sup> round)</b>			<b>Date:</b> 18/10/2015
<ol style="list-style-type: none"> <li>1. Eligibility criteria has added to meet the requirements of the PoA standard § 16 b) in the PoA-DD. Please see attached.</li> <li>2. Eligibility criterion 3 has now been updated to the latest methodology version. In addition, the CPAs to comply with other methodological / tool requirements besides the methodology has now been added.</li> <li>3. The eligibility criterion 6 now meets the requirements of the PoA standard § 16 h)</li> <li>4. Eligibility criterion 7 has now been updated so that the start date of any CPA shall not be any earlier than 11/12/2014.</li> <li>5. Eligibility criterion as per § 16 i) of the PoA standard is now presented</li> <li>6. Eligibility criterion as per § 16 j) of the PoA standard is now presented</li> <li>7. Eligibility criterion as per § 16 l) of the PoA standard is now presented</li> <li>8. All CPAs must demonstrate that they shall be monitored individually and therefore not be subject to any sampling requirements.</li> <li>9. No question from DOE</li> <li>10. The undertaking of local stakeholder consultation as prescribed by the PoA-DD and required evidence have now been added.</li> <li>11. The CME shall now provide verifiable evidence</li> </ol>			
<b>Documentation provided by CME</b>			
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s): B.2	New version No.: 1.2
<input type="checkbox"/>	Changes in XLS	Worksheet(s):	New version No.:
<input type="checkbox"/>	Other:		
<b>DOE assessment (1<sup>st</sup> round)</b>			<b>Date:</b> 26/11/2015
PoA-DD version 1.2			
<ol style="list-style-type: none"> <li>1. A criterion b) to avoid double counting of emission reductions the CME's unique alpha-numeric system has been added</li> <li>2. The eligibility criterion e) has been corrected and revised to specify that all CPAs shall meet the applicability requirements of their respective methodologies (ACM0002, version 16.0 &amp; AMS-I.D., version 18.0)</li> <li>3. The EC h) has been revised to include text that funding does not result in a diversion of official development assistance (ODA).</li> <li>4. The EC d) has been revised to include the date of 2014-12-11, correct date when the initial PoA documents were uploaded for the global stakeholder process</li> <li>5. No eligibility criterion as per § 16 i) of the PoA standard is presented</li> </ol>			

6. All CPAs shall be monitored individually using unique identification, hence, this condition 16 j) is not applicable
7. EC not fulfilled
8. EC as per point 6 above
9. The EC criterion f) as established shall be consistent with additionality requirements of section B.1 of the PoA-DD
10. Eligibility criterion g) has been established to ensure Environmental Impact Assessment (EIA) and local stakeholder consultation in accordance with the requirements of the CDM
11. Not correct. Each CPA shall provide verifiable evidence for each eligibility criterion

<b>CME response (2nd round)</b>	<b>Date:</b> 06/12/2015
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The eligibility criteria have now been updated as per the comments above on pages 12 and 13 of the PoA-DD.

<b>Documentation provided by CME</b>
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<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): B.2	New version No.: 1.2
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:
<input type="checkbox"/> Other:		

<b>DOE assessment (2nd round)</b>	<b>Date:</b> 09/12/2015
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5. Please note that including only the text guideline (§16 i) of EB 74, Annex 05 is not sufficient as an eligibility criterion
7. De-bundling criterion is not adequately completed as the PoA also includes SSC component project activities
9. The eligibility criterion has been sufficiently revised to ensure all CPAs as applicable, adhere to additionality requirements as prescribed in section B.1 of the PoA-DD.
11. Requirements as per § 17 of the EB74, Annex 05 have been included

<b>CME response (3rd round)</b>	<b>Date:</b> 13/12/2015
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In relation to (5), eligibility criterion (i) has been revised in the POA-DD to read: „Where applicable, the CME shall identify the target group and distribution mechanisms for each individual CPA as a condition of eligibility in accordance with the Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities, Version 3.0 (EB74, Annex 05)“

In relation to (7), eligibility criterion (l) has been revised in the POA-DD to read: „In cases where the CPA utilises the small-scale methodology, the CME shall ensure that a de-bundling check is undertaken in accordance with the Methodological tool for the assessment of de-bundling for small-scale project activities, Version 4.0“

<b>Documentation provided by CME</b>
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<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): B.2	New version No.: 1.2
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:
<input type="checkbox"/> Other:		

<b>DOE assessment (3rd round)</b>	<b>Date:</b> 11/01/2016
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5. Eligibility criterion has been included as per § 16 i) of EB74, Annex 05.

7. De-bundling condition has been included and deemed correct

The included Eligibility criteria are in line with the Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programme of activities” <sup>/POAS/</sup>. The presented evidence is sufficient.

Update: 11/11/2016

Following incomplete issue raised by the CDM secretariat on 09/11/2016, the CME has decided to exclude the small scale methodology AMS-I.D version 18.0 as project CPAs range from 15MWp-200MWp

<b>Conclusion</b> Tick the appropriate checkbox	<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed
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<b>CAR ID</b>	B3	<b>Section no.</b>	B.3	<b>Date:</b> 15/02/2015
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<b>Description of CAR</b>		
Draft PoA-DD, section B.3		
1. Section is not filled as per point 1 and 2 of the PoA-DD template filling instructions.		
<b>CME response (1<sup>st</sup> round)</b>		<b>Date:</b> 18/10/2015
1. The CME has now described the technology/measures and indicated the methodology chosen		
2. All CPAs shall be required to demonstrate that they shall be monitored individually and therefore not be subject to any sampling requirements		
<b>Documentation provided by CME</b>		
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): B.4	New version No.: 1.2
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:
<input type="checkbox"/> Other:		
<b>DOE assessment (1<sup>st</sup> round)</b>		<b>Date:</b> 26/11/2015
PoA-DD version 1.2		
1. Technology/measures have been described and fulfils the requirement of the applied PoA-DD template.		
2. Each CPA shall be verified individually as prescribed under section B.7.2 of the generic monitoring plan, which is in accordance with applied methodologies under this PoA. All data will be checked 100% individually, and hence, no sampling is involved.		
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed	

<b>CAR ID</b>	D1	<b>Section no.</b>	D.1	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD, section D.1				
The start date of the PoA is not as per § 213 b) of the CDM PS <sup>/PS/</sup>				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
In accordance with the CDM PS the date of publication of the PoA-DD for global stakeholder consultation shall be the PoA start date. We have noted in the PoA-DD that the original global stakeholder consultation began on 4 December 2014 and so that is the start date, but that the GSC was re-commenced on 22 October 2015 as a result of a decision by the CME to change the name and geographic scope of the PoA - and this was done in accordance with advice from the UNFCCC Secretariat.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): D.1		New version No.: 1.2	
<input type="checkbox"/> Changes in XLS	Worksheet(s):		New version No.:	
<input type="checkbox"/> Other:				
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 09/12/2015
The start date of the PoA is not as per §222 b) of the CDM PS <sup>/PS/</sup> . The initial project documents were uploaded on 2014-12-11 and the PoA design documents have been re-uploaded on 2015-10-22 following a PoA title and boundary change request.				
<ul style="list-style-type: none"> <li>The PoA start date shall be the exact date not anticipated start date of the original global stakeholder consultation, as the onsite visit and the start date of the Jordan CPA pre-date 2015-10-22</li> <li>The title of the re-uploaded specific case CPA-DD (Solar Photovoltaic Power Plant in Segou - version 1.3) and the presented CPA-DD (also version 1.3) are not consistent. Please clarify how uploading one specific case CPA-DD complies with §209 c) of the CDM Project Standard, and §21 J (iii) of the CDM Project Cycle Procedure</li> <li>Please also note that the proposed specific case CPA title is only sufficient in English</li> </ul>				
<b>CME response (2nd round)</b>				<b>Date:</b> 13/12/2015

The Start Date has been changed to 11 December 2014 to reflect the exact date on which the original global stakeholder consultation commenced, in accordance with the CDM project Standard Version 09.0, Section 222.

The CME only uploaded one specific case CPA-DD for global stakeholder consultation on 11 December 2014, being located in Mali. The DOE did not raise any objection at this time in relation to the requirements of the Project Standard Section 209. Furthermore, the CME in June of 2015 commissioned the same DOE with a further two CPAs, being in Ghana and Burkina Faso, but the DOE did unfortunately not publish those CPA-DDs for global stakeholder consultation – for what reason we do not know. Therefore the CME would like to request a clarification from the DOE as to how to proceed in this context.

The CME also notes that it has been seeking clarification now for some time from the DOE – but the DOE has not provided a clear and concise response as to why the CPA-DDs in Burkina Faso and Ghana were not uploaded for GSC. Moreover, the CME has had to completely change the rationale for proving additionality because the Ghana CPA-DD was not uploaded for GSC and, in the meantime, another utility scale project has been built in Ghana, introducing doubt as to whether the CPA-DD would qualify as first-of-its-kind. The CME further notes that, upon republication of the PoA-DD on 22 October 2015, there was still only one CPA-DD published (being the Malian CPA). The CME would therefore like to request an urgent resolution of this requirement with the DOE.

The CME is unsure about how to respond to the DOE on the title of the specific case CPA-DD as there is no reference to this CPA-DD in the PoA-DD at all.

The CME assumes that the DOE is requesting the name of the specific case CPA-DD to be provided in English only in the CPA-DD itself, as the title of the CPA-DD is not referenced in the PoA-DD.

#### Documentation provided by CME

<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): D.1	New version No.: 1.3
<input type="checkbox"/> Changes in XLS	Worksheet(s):	New version No.:
<input type="checkbox"/> Other:		

#### DOE assessment (2nd round)

Date: 11/01/2016

The CME should note that the DOE cannot publish additional CPAs in a PoA still undergoing validation. Additional CPAs are added upon registration, and in this case CPA-DDs are not published for GSFCP.

The DOE published one CPA-DD in accordance with the project cycle procedure<sup>/PCP/</sup>. Additional CPAs can be added in a registered PoA.

The PoA start date has been corrected as 11/12/2014 in section D.1 of the revised PoA-DD version 1.3. This is in line with §222 b) of the CDM PS version 09.0. Hence this finding is closed

#### Conclusion

Tick the appropriate checkbox

- ☐ Additional action should be taken (finding remains open)  
☒ The finding is closed

<b>CAR ID</b>	gB1	<b>Section no.</b>	Part II, section B.1	<b>Date:</b>	15/02/2015
<b>Description of CAR</b>					
Draft PoA-DD, Part II, section B.1					
1. The methodology version is out of date					
2. The Methodological Tool: <i>Tool to calculate the emission factor for an electricity system</i> is also out of date					
<b>CME response (1<sup>st</sup> round)</b>					<b>Date:</b> 18/10/2015
1. The methodology version is <i>ACM0002: Grid-connected electricity generation from renewable sources, Version 16.0</i> and we are also now using the AMS-I.D. Small-scale methodology, Grid connected renewable electricity generation, Version 18.0, so this has also been added.					
2. The <i>Tool to calculate the emission factor for an electricity system</i> is now updated to <i>Version 05.0</i> .					
<b>Documentation provided by CME</b>					
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): Part II, section B.1		New version No.: 1.2		
<input type="checkbox"/> Changes in XLS	Worksheet(s):		New version No.:		
<input type="checkbox"/> Other:					
<b>DOE assessment (1<sup>st</sup> round)</b>					<b>Date:</b> 26/11/2015

1. The methodology version is now corrected to ACM0002, version 16.0
2. The Methodological Tool: *Tool to calculate the emission factor for an electricity system* version is now corrected to the latest version. <sup>/TEF/</sup>

Update: 11/11/2016

Following incomplete issue raised by the CDM secretariat on 09/11/2016, the CME has decided to exclude the small scale methodology AMS-I.D version 18.0 as project CPAs range from 15MWp-200MWp

<b>Conclusion</b> Tick the appropriate checkbox	<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed
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<b>CAR ID</b>	gB2	<b>Section no.</b>	Part II, section B.2	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD, Part II, section B.2				
All applicability conditions of the ACM0002 version 16 are not listed and not demonstrated.				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
This method is eligible in accordance to section 2.2.3 (a) that it is a greenfield power plant and 2.2.4 (a) the project is also a power plant and or a unit.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s):	Part II, section B.2	New version No.: 1.2
<input type="checkbox"/>	Changes in XLS	Worksheet(s):		New version No.:
<input type="checkbox"/>	Other:			
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
The response is unclear. Please justify the choice of the two selected methodologies as per generic CPA-DD template requirements				
<b>CME response (2nd round)</b>				<b>Date:</b> 06/12/2015
g.B.2 has now been updated to demonstrate the selection of ACM0002: Large-scale Consolidated Methodology: Grid-connected electricity generation from renewable sources, version 16.0				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s):	Part II, section B.2	New version No.: 1.2
<input type="checkbox"/>	Changes in XLS	Worksheet(s):		New version No.:
<input type="checkbox"/>	Other:			
<b>DOE assessment (2nd round)</b>				<b>Date:</b> 09/12/2015
CME to refer to the latest PoA-DD template form (version 05.0), and shall complete Part II section B.2 fully as required				
<b>CME response (3rd round)</b>				<b>Date:</b>
Section B.2 in the PoA-DD template (version 05.0) states that there is a need to justify the choice of the selected methodology, which the CME have already done. Since there are no standardized baselines yet applicable, there is no need to show that each generic CPA meets each applicability condition of the selected standardized baseline. As the CPA is just generic, we do not have any project specific documentation that confirms this. All our documentation relates to the real CPAs, which include Mali, Ghana and Burkina.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s):	Part II, section B.2	New version No.: 1.3
<input type="checkbox"/>	Changes in XLS	Worksheet(s):		New version No.:
<input type="checkbox"/>	Other:			
<b>DOE assessment (3rd round)</b>				<b>Date:</b> 11/01/2016
The methodology applicability conditions for each CPA will be demonstrated individually. All CPAs will be expected to adhere to the PoA applicability and eligibility criteria. The description is in line with each applied methodology and the instructions for filling the POA-DD as per template.				
<b>Conclusion</b> Tick the appropriate checkbox	<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed			

<b>CAR ID</b>	gB3	<b>Section no.</b>	Part II, section B.3	<b>Date:</b> 15/02/2015
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<b>Description of CAR</b>			
Draft PoA-DD, Part II section B.3			
A flow diagram physically delineating each generic CPA, as per the template-filling guidelines, is missing.			
<b>CME response (1<sup>st</sup> round)</b>			<b>Date:</b> 18/10/2015
A flow diagram that is physically delineating each generic CPA, as per template-filling guidelines is presented			
<b>Documentation provided by CME</b>			
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s): Part II, section B.3	New version No.: 1.2
<input type="checkbox"/>	Changes in XLS	Worksheet(s):	New version No.:
<input type="checkbox"/>	Other:		
<b>DOE assessment (1<sup>st</sup> round)</b>			<b>Date:</b> 26/11/2015
A flow diagram physically delineating each generic CPA has been included showing a generic grid, position of PV-modules, inverters, and transfer stations. This is in line with the instructions for filling the POA-DD as per template.			
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed	

<b>CAR ID</b>	gB4	<b>Section no.</b>	Part II, section B.4	<b>Date:</b> 15/02/2015
<b>Description of CAR</b>				
Draft PoA-DD, Part II, section B.4				
1. It is not clear why the combined tool is used. As per ACM0002 version 16 § 23, the baseline scenario is clearly pre-defined for a greenfield project activity. 2. Various information provided in this section for a fixed generic CPA template is incorrect.				
<b>CME response (1<sup>st</sup> round)</b>				<b>Date:</b> 18/10/2015
1. The generic CPA is a greenfield power plant, and we have clarified that the generic CPA is a greenfield power plant. Tracking changes has been made in the PoA-DD. Please see attached. 2. The information provided in this section is now correct for a fixed generic CPA template.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s): Part II, section B.4	New version No.: 1.2	
<input type="checkbox"/>	Changes in XLS	Worksheet(s):	New version No.:	
<input type="checkbox"/>	Other:			
<b>DOE assessment (1<sup>st</sup> round)</b>				<b>Date:</b> 26/11/2015
1. Not correct. The baseline scenario for the proposed Greenfield CPAs is not in line with § 23 of ACM0002, , and § 19 of AMS-I.D. All other information provided here is not required, and some of it should be confined to the additionality section 2. Unnecessary information is still included here. The PoA involves only Greenfield component project activities, and the baseline definition is straightforward in the respective methodologies/applicable standardized baselines.				
<b>CME response (2nd round)</b>				<b>Date:</b> 06/12/2015
Section B.4 of the PoA-DD has been updated to refer to the requirements for establishing baselines for greenfield projects under both § 23 of ACM0002, version 16.0, and § 19 of AMS-I.D., version 18.0.				
<b>Documentation provided by CME</b>				
<input checked="" type="checkbox"/>	Changes in the PoA-DD	Section(s): Part II, section B.4	New version No.: 1.2	
<input type="checkbox"/>	Changes in XLS	Worksheet(s):	New version No.:	
<input type="checkbox"/>	Other:			
<b>DOE assessment (2nd round)</b>				<b>Date:</b> 09/12/2015
1. Section has been revised accordingly. All CPAs will be greenfield project activities and therefore the baseline scenarios are as prescribed by the applied methodology ACM0002 and AMS-I.D. 2. Section has been revised accordingly. The additionality of the PoA component project activities will follow relevant additionality tools as outlined under point 3 in this section of the revised PoA-DD. This is found to be sufficient				
Update: 11/11/2016				
Following incomplete issue raised by the CDM secretariat on 09/11/2016, the CME has decided to exclude the small scale methodology AMS-I.D version 18.0 as project CPAs range from 15MWp-200MWp				

<b>Conclusion</b> <i>Tick the appropriate checkbox</i>		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed	
<b>CAR ID</b>	gB5	<b>Section no.</b>	Part II, section B.5
<b>Date:</b> 15/02/2015			
<b>Description of CAR</b>			
Draft PoA-DD, Part II, section B.5			
The eligibility criteria shall be revised as per PoA findings above, and as per template-filling directions.			
<b>CME response (1<sup>st</sup> round)</b>			<b>Date:</b> 18/10/2015
The eligibility criteria have been amended and the table now represented also allowing for confirmation of Generic CPA evidence.			
<b>Documentation provided by CME</b>			
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): Part II, section B.5		New version No.: 1.2
<input type="checkbox"/> Changes in XLS	Worksheet(s):		New version No.:
<input type="checkbox"/> Other:			
<b>DOE assessment (1<sup>st</sup> round)</b>			<b>Date:</b> 26/11/2015
Eligibility criteria is not in line with the new issues raised			
<b>CME response (2nd round)</b>			<b>Date:</b> 06/12/2015
The eligibility criteria have now been updated.			
<b>Documentation provided by CME</b>			
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): Part II, section B.5		New version No.: 1.2
<input type="checkbox"/> Changes in XLS	Worksheet(s):		New version No.:
<input type="checkbox"/> Other:			
<b>DOE assessment (2nd round)</b>			<b>Date:</b> 09/12/2015
The eligibility criteria shall be updated to be consistent with the issues raised in the latest PoA-DD.			
<b>CME response (3rd round)</b>			<b>Date:</b> 13/12/2015
The eligibility criteria (i) and (l) have been updated in accordance with the changes articulated in the response to B.2 above:			
Eligibility criterion (i) has been revised in the POA-DD to read: „Where applicable, the CME shall identify the target group and distribution mechanisms for each individual CPA as a condition of eligibility in accordance with the Standard for demonstration of additionality, development of eligibility criteria and application of multiple methodologies for programmes of activities, Version 3.0 (EB74, Annex 05)“			
Eligibility criterion (l) has been revised in the POA-DD to read: „In cases where the CPA utilises the small-scale methodology, the CME shall ensure that a de-bundling check is undertaken in accordance with the Methodological tool for the assessment of de-bundling for small-scale project activities, Version 4.0“			
<b>Documentation provided by CME</b>			
<input checked="" type="checkbox"/> Changes in the PoA-DD	Section(s): Part II, section B.5		New version No.: 1.2
<input type="checkbox"/> Changes in XLS	Worksheet(s):		New version No.:
<input type="checkbox"/> Other:			
<b>DOE assessment (3rd round)</b>			<b>Date:</b> 11/01/2016
All revised eligibility criteria in section B.2 of the PoA-DD are now consistently reflected in section of the generic CPA-DD B.5.			
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>		<input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed	

Table 3. FAR from this validation

<b>FAR ID</b>	xx	<b>Section no.</b>	
<b>Date:</b> DD/MM/YYYY			
<b>Description of FAR</b>			
<b>CME response</b>			<b>Date:</b> DD/MM/YYYY
<b>Documentation provided by CME</b>			
<b>DOE assessment</b>			<b>Date:</b> DD/MM/YYYY

