




**Validation report form for renewal of CDM programme of activities period  
(Version 02.0)**

*Complete this form in accordance with the instructions attached at the end of this form.*

**BASIC INFORMATION**

<b>Title and UNFCCC reference number of the programme of activities (PoA)</b>	Programme of Activities to introduce renewable energy system into collective housing, Republic of Korea reference# 9247
<b>Number and duration of the next period</b>	2 <sup>nd</sup> , 27/12/2019 – 26/12/2026
<b>Version number of the validation report</b>	1.1
<b>Completion date of the validation report</b>	30/12/2019
<b>Version number of PoA-DD to which this report applies</b>	2 (25/12/2019)
<b>Coordinating/managing entity (CME)</b>	Korea Land & Housing Corporation (shortly called LH Corporation)
<b>Host Parties</b>	Republic of Korea
<b>Applied methodologies and standardized baselines</b>	AMS-I.F. (ver.03)
<b>Mandatory sectoral scopes</b>	01 – Energy industry (Mandatory)
<b>Conditional sectoral scopes, if applicable</b>	N/A
<b>Estimated amount of annual average GHG emission reductions or GHG removals by sinks in the next programme of activities period</b>	1,307 tCO <sub>2</sub> /yr
<b>Name and UNFCCC reference number of the DOE</b>	Korean Standards Association (KSA) / CDME-0039
<b>Name, position and signature of the approver of the validation report</b>	JinSeong Park Director General of Certification Service Division  

**SECTION A. Executive summary**

>> Korea Land and Housing Corporation (hereafter LH Corp), the CME, has contracted Korean Standards Association (hereafter, KSA) to assess renewal of PoA period of registered PoA "Programme of Activities to introduce renewable energy system into collective housing, Republic of Korea (reference# 9247)". This report summaries the findings over the validation process that has been performed in accordance with CDM VVS PoA (ver.2.0).

**Brief Information of the project**

The registered PoA is to install PV plants at the rooftop of public rental housing constructed and managed by the CME. Generated electricity by corresponding CPAs displace fossil fuel based grid electricity. Brief information of the project is described in below table:

<b>Host party</b>	Republic of Korea
<b>Applied methodology</b>	AMS-I.F. (ver.02) → updated to AMS-I.F. (ver.03)
<b>Reference no.:</b>	9247
<b>CME</b>	Korea Land & Housing Corporation (shortly called LH Corporation)
<b>Boundary of PoA</b>	Republic of Korea
<b>Registration date</b>	27/12/2012
<b>1<sup>st</sup> PoA period</b>	27/12/2012 ~ 26/12/2019
<b>2<sup>nd</sup> PoA period request for renewal</b>	27/12/2019 ~ 26/12/2026 (7 year)

**Objective of validation**

The purpose of validation is to ensure a thorough and independent assessment of proposed PoA submitted for renewal of PoA period as a proposed CDM project activity against the applicable CDM requirements. In particular, the PoA's baseline, the estimated emission reductions and the monitoring plan and the project's compliance with relevant UNFCCC and host Party criteria are validated in order to confirm that the updated baseline and monitoring plan as documented is sound and reasonable and meets the stated requirements and identified criteria. The validation is seen as necessary to provide assurance to stakeholders of the quality of the PoA and its intended generation of certified emission reduction (CERs).

**Scope of validation**

The scope of the validation is defined as an independent and objective review of the updated PoA-DD relating to the baseline, estimated emission reductions and the monitoring plan using latest version of methodology - AMS-I.F. (ver.03) and relevant documents. The information in these documents is reviewed against the criteria stated in CDM PS PoA, Article 12 of Kyoto Protocol (decision 17/CP.7), the CDM modalities and procedures as agreed in the Marrakech Accords, the simplified modalities and procedures for small-scale CDM project activities and the relevant decisions of the COP/MOP and the CDM Executive Board including the valid version of methodology AMS-I.F. (ver.03).

The KSA validation team follows a risk-based approach in the validation focusing on the identification of significant risks for project implementation and generation of certified emission reductions (CERs). Validation is no meant to provide any consulting toward the PoA. However, the corrective action requests (CARs) and clarifications (CL) may have provided input for improvement of the project design

**Validation process and conclusion**

To assess the correctness of the information provided by the project participant, the validation consists of the following three phases;

- A desk review of Documents, including;
  - (i) Review of data and information to verify the correctness, credibility and interpretation of presented information;
  - (ii) Cross check between information provided in the updated PoA-DD and information from sources other than that used, if available, and if necessary independent background investigations.
- Follow-up actions, including;
  - (i) On-site assessment to confirm that information in the updated PoA-DD
  - (ii) Interview with relevant personnel with knowledge of the programme design and implementation;
  - (iii) Cross-check of information provided by interviewed personnel to ensure that no relevant information has been omitted the validation
- The resolution of outstanding issues and the issuance of the final validation opinion.

To ensure a completeness and transparency, validation process was guided by the protocol developed by KSA.

As a result of validation activity, KSA confirms that the registered project meets latest version of applied methodology AMS-I.F. (ver.03) and other relevant CDM requirements, so KSA requests for renewal of PoA period.

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

### B.1. Validation team member

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/document review	On-site inspection	Interview(s)	Validation findings
1.	Team Leader	EI	Choi	SeungKeun	KSA	V	V	V	V
2.	Validator	EI	Sohn	Kyull	KSA	V	-	-	V
3	Validator (Trainee)	EI	Hong	SeungHyeong	KSA	V	V	V	V

### B.2. Technical reviewer and approver of the validation report for renewal of PoA period

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	EI	Park	SeongYong	KSA
2.	Approver	IR	Park	JinSeong	KSA

**SECTION C. Means of validation****C.1. Desk/document review**

>> All documents reviewed or referenced during the validation is listed in Appendix 3 below

**C.2. On-site inspection**

Duration of on-site inspection: 20/11/2019				
No.	Activity performed on-site	Site location	Date	Team member
1.	CME's management system	CME's office	20/11/2019	SeungKeun Choi SeungHyeong Hong

**C.3. Interviews**

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Kim	Sun Kyung	CME office	20/11/2019	CME's management system	SeungKeun Choi SeugnHyeong Hong
G2	Cho	Jonghyun	CME office	20/11/2019	Monitoring procedure	SeungKeun Choi SeugnHyeong Hong

**C.4. Sampling approach**

>> Sampling approach is not applied for this validation process.

**C.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised**

Area of validation findings	No. of CL	No. of CAR	No. of FAR
<b>Programme of activities</b>			
Compliance with PoA-DD form			
Programme of activities period			
Coordinating/managing entity and the project participants	2	1	
Post-registration changes			
<b>Generic component project activities</b>			
Application and selection of methodologies and standardized baselines			
Validity of original baseline or its update			
Estimated emission reductions or net anthropogenic removals	1		
Validity of monitoring plan		1	
Eligibility criteria for inclusion of CPAs		1	
Management System	1		
<b>Total</b>	<b>4</b>	<b>3</b>	<b>0</b>

**SECTION D. Validation findings****D.1. Programme of activities****D.1.1. Compliance with PoA-DD form**

<b>Means of validation</b>	<p>Validation team visited CDM website to figure out latest version of the PoA-DD form, then confirmed whether the revised PoA-DD /01/ provided by CME utilized latest template.</p> <p>Validation team also compared original PoA-DD /02/ with revised(updated) to determine whether description is materially same, in accordance with instruction of the form.</p>
<b>Findings</b>	Latest version of PoA-DD form <CDM-PoA-DD-FORM> is version 9.0 /04/, same with the revised PoA-DD submitted by the CME

	<p>Validation team found that original PoA-DD (ver.9) /02/ was written on PoA-DD form (ver.5.0), while updated PoA-DD used ver.9.0. Validation team compared each section of two documents, and confirmed information provided in the updated PoA-DD is same with original, except followings:</p> <ul style="list-style-type: none"> <li>(1) latest version of methodology AMS-I.F. (ver.3.0) /03/ is applied</li> <li>(2) baseline scenario is updated in accordance with "TOOL11: Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period (ver.3.0.1)" /05/</li> <li>(3) Emission factor for electricity grid is updated in accordance with "TOOL07: Tool to calculate the emission factor for an electricity system (ver.7.0)" /06/</li> <li>(4) Eligibility criteria were updated to reflect latest version of additionality tools /07//08/</li> </ul> <p>Above changes are required by paragraph 284 of CDM PS PoA (ver.2.0) /09/ to update at the time of renewal, so appropriate.</p> <p>No CARs, CLs and FARs were raised</p>
<b>Conclusion</b>	Validation team concluded that updated PoA-DD is appropriately prepared in accordance with latest PoA-DD form including instructions, and with section 11.1 of CDM PS PoA (ver.2.0)

#### D.1.2. Programme of activities period

<b>Means of validation</b>	Validation team identified PoA duration and renewal period on CDM website, then checked 2 <sup>nd</sup> PoA period and its start date.
<b>Findings</b>	<p>1<sup>st</sup> PoA period was from 27/12/2012 to 26/12/2019, and now start 2<sup>nd</sup> PoA period right after expiration of current PoA period. Validation team also confirmed that 2<sup>nd</sup> PoA period (27/12/2019-26/12/2026) is in the PoA duration (01/11/2011 – 31/10/2039)</p> <p>No CARs, CLs and FARs were raised</p>
<b>Conclusion</b>	Validation team confirmed that 2 <sup>nd</sup> PoA period requested by the CME commences on the day immediately after the expiration of the 1 <sup>st</sup> (current) PoA period, in accordance with paragraph 283 of PS PoA (ver.2.0) /09/ and paragraph 390(a)(v) of VVS PoA (ver.2.0) /10/

#### D.1.3. Coordinating/managing entity and the project participants

<b>Means of validation</b>	The CME, Korea Land & Housing Corporation (shortly called LH Corporation), is public company which has national-wide organization to provide public collective rental housing. Validation team visited CME's website (www.lh.or.kr) then confirmed the name has not been changed. Same name is included as CME in the updated PoA-DD /01/ and latest MoC /11/
<b>Findings</b>	CAR01, CL01, 02 were raised and closed
<b>Conclusion</b>	Validation team concluded that the name of the CME included in the updated PoA-DD is consistent with the latest version of MoC /11/

#### D.1.4. Post-registration changes

Type of post-registration changes (PRCs)	Confirmation (Y/N)	Validation report for PRCs	
		Version	Completion date
Corrections	Y	2.0	20/05/2016
Inclusion of monitoring plan	N		
Permanent changes to the registered monitoring plan, or	Y	2.0	20/05/2016

permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents			
Changes to the programme design	Y	2.0	20/05/2016
Addition of CPA inclusion template	N		
Changes specific to afforestation and reforestation activities	N		
Change of coordinating/managing entity	N		

## D.2. Generic component project activities

### D.2.1. Application and selection of methodologies and standardized baselines

Means of validation	Original PoA-DD applied small scale methodology AMS-I.F. (ver.2.0) /12/ at registration stage, but the methodology has been updated to version 3.0 now. So, validation team analysed revisions and assessed how updated PoA-DD reflected methodological changes. Section I.2 of updated PoA-DD provides justification how the registered project still meets applicability conditions required in the revised methodology AMS-I.F. (ver.3.0). Validation team reviewed the CME's claims and assessed them by desk review and site inspection.																																	
Findings	Validation team reviewed each applicability conditions in AMS-I.F. (ver.3.0) and assessed to determine whether the registered PoA still meets all conditions as below:																																	
	<table><tr><th>Para.</th><th>Assessment</th><th>Conclusion</th></tr><tr><td>2</td><td>The PoA is to install PV plants and supply electricity to user, so in the absence of the PoA, the users would have been supplied electricity from national grid (so called KEPCO grid)</td><td>Satisfied</td></tr><tr><td>3</td><td>The PoA displace grid electricity consumption so paragraph 2 of table 3 is applied.</td><td>Satisfied</td></tr><tr><td>4</td><td>The scope of updated PoA is to install PV plants for captive use, so this condition is not applied.</td><td>Not applied</td></tr><tr><td>5</td><td>The PoA is greenfield, so paragraph 5(a) is met</td><td>Satisfied</td></tr><tr><td>6</td><td>The eligibility criteria defines threshold of the PoA as 15 MW, so corresponding CPAs will meet this condition.</td><td>Satisfied</td></tr><tr><td>7</td><td>No retrofit or replacements is considered in the programme</td><td>Satisfied</td></tr><tr><td>8</td><td>Corresponding CPAs would be PV plants only, so this condition is not applied.</td><td>Not applied</td></tr><tr><td>9</td><td>Co-generation is not considered in the PoA</td><td>Not applied</td></tr><tr><td>10</td><td>Heat production is not considered in the PoA</td><td>Not applied</td></tr><tr><td>11</td><td>PoA is to install PV plants, so biomass is not considered</td><td>Not applied</td></tr></table>	Para.	Assessment	Conclusion	2	The PoA is to install PV plants and supply electricity to user, so in the absence of the PoA, the users would have been supplied electricity from national grid (so called KEPCO grid)	Satisfied	3	The PoA displace grid electricity consumption so paragraph 2 of table 3 is applied.	Satisfied	4	The scope of updated PoA is to install PV plants for captive use, so this condition is not applied.	Not applied	5	The PoA is greenfield, so paragraph 5(a) is met	Satisfied	6	The eligibility criteria defines threshold of the PoA as 15 MW, so corresponding CPAs will meet this condition.	Satisfied	7	No retrofit or replacements is considered in the programme	Satisfied	8	Corresponding CPAs would be PV plants only, so this condition is not applied.	Not applied	9	Co-generation is not considered in the PoA	Not applied	10	Heat production is not considered in the PoA	Not applied	11	PoA is to install PV plants, so biomass is not considered	Not applied
	Para.	Assessment	Conclusion																															
	2	The PoA is to install PV plants and supply electricity to user, so in the absence of the PoA, the users would have been supplied electricity from national grid (so called KEPCO grid)	Satisfied																															
	3	The PoA displace grid electricity consumption so paragraph 2 of table 3 is applied.	Satisfied																															
	4	The scope of updated PoA is to install PV plants for captive use, so this condition is not applied.	Not applied																															
	5	The PoA is greenfield, so paragraph 5(a) is met	Satisfied																															
	6	The eligibility criteria defines threshold of the PoA as 15 MW, so corresponding CPAs will meet this condition.	Satisfied																															
	7	No retrofit or replacements is considered in the programme	Satisfied																															
	8	Corresponding CPAs would be PV plants only, so this condition is not applied.	Not applied																															
	9	Co-generation is not considered in the PoA	Not applied																															
	10	Heat production is not considered in the PoA	Not applied																															
	11	PoA is to install PV plants, so biomass is not considered	Not applied																															
	The above mentioned are confirmed through relevant document review and on-site interview.																																	
No CARs, CLs and FARs were raised.																																		
Conclusion	As a result of assessment, validation team concluded that the updated PoA still meets all applicability conditions in the latest version of applied methodology AMS-I.F. (ver.3.0). Thus, the selected methodology to the proposed project activity is applicable.																																	

### D.2.2. Validity of original baseline or its update

<b>Means of validation</b>	In accordance with original methodology AMS-I.F. (ver.2.0), registered PoA defined that baseline emission were the product of amount electricity displaced with the electricity produced by the renewable generating units and an emission factor.
----------------------------	--

	<p>In the updated PoA-DD, the CME claimed same baseline scenario with updated emission factor, so validation team assessed validity of original baseline with two different points:</p> <p><b><u>Validity of original baseline scenario</u></b> Validation team conducted assessment of baseline scenario in accordance with tool "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period (ver.3.0.1)" /05/</p> <p><b><u>Update of emission factor</u></b> Baseline emission factor is also updated in the updated PoA-DD /01/. Validation team reviewed emission factor calculation spreadsheet /13/ to confirm whether the calculation was made in accordance with "TOOL07: tool to calculate emission factor for an electricity system (ver.7.0)" /06/. Then, validation team verified all input values with references documents.</p>
<b>Findings</b>	<p><b><u>Validity of original baseline scenario</u></b> Validity of the original baseline has been assessed as per the methodological Tool, "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period" (version 3.0.1).</p> <p>Step 1 : Assess the validity of the current baseline for the next crediting period. Step 1.1 : Assess compliance of the current baseline with relevant mandatory national and/or sectoral policies.</p> <p>The registered PoA involves the photovoltaic power for the generation and supply of electricity to the users. In absence of the PoA and corresponding CPAs, same amount of electricity would have been generated by the KEPCO grid. The baseline for the project activity remains the same as the original PoA-DD and it has been validated that the selected baseline complies with sectoral policies applicable at the time of requesting renewal of the crediting period as below;</p> <p>The information presented in the updated PDD have been validated by the desk review of all the data, further confirmation based on the on-site visit and cross-checked based on verifiable and credible source, such as;</p> <ul style="list-style-type: none"> <li>▪ Framework Act on Low Carbon Green Growth /14/</li> <li>▪ Electric Utility Act /15/</li> <li>▪ Rules on the operation of electric utility market /16/</li> <li>▪ Energy Act /17/</li> <li>▪ Act on the promotion of the development, use and diffusion of new and renewable energy /18/</li> <li>▪ Act on the allocation and trading of greenhouse-gas emission permits /19/</li> <li>▪ The status report of generation facility for 2018 by KPX /20/</li> <li>▪ Statistics of Electric Power in Korea /21/</li> </ul> <p>The relevant national and sectoral policies in the current baseline of the registered project activity are i) "Act on the promotion of the development, use and diffusion of new and renewable energy" (wholly amended on 15/01/2019 and amended on 01/10/2019) and ii) "Act on the allocation and trading of greenhouse-gas emission permits" (enforced on 15/11/2012).</p> <p>However first act has a promotional, rather than a mandatory character and not enforced. This situation is not likely to change in the near future. Korean ETS has been launched on 01/01/2015 based on second act, and the CME has been designated as business entity eligible for allocation. However, the corresponding CPA sites (i.e. public rental houses) are not included in the CME's organizational boundary for ETS. In this reason, validation team concluded that ETS does not propel the registered PoA as mandatory item. So, validation team conclude that the baseline for the 2<sup>nd</sup> PoA period remains same and is in line with the relevant mandatory national and/or sectoral policies.</p>

**Step 1.2 : Assess the impacts of circumstances.**

Validation team has assessed the existing circumstances such as national regulation and policies. There are no impact of circumstances existing on the current baseline emission at the time of requesting renewal of the PoA period on the established baseline. The original PoA was registered on 27/12/2012. At the time of validation and registration of the PoA, the corresponding CPAs were expected to displace electricity from the KEPCO grid and still valid. The identified baseline scenario is continuation of the current practice.

Thus, the circumstances of the baseline of project remain same.

**Step 1.3 : Assess whether the continuation of the use of current baseline equipment(s) is technically possible.**

The PoA is to newly install PV plants, which means green field projects. Thus, the step is not applicable to the PoA. Further, the expected economic lifetime of PV plants is normally 20 years. The project has been applied for the second PoA period of 7 years, thus it is clear that the technical lifetime of the project activity exceeds the end of the second PoA period.

**Step 1.4 : Assessment of the validity of the data and parameters**

The combined margin emission factor of the project activity that was determined at the time of validation and registration is not valid anymore. In the second crediting period, the combined margin emission factor has been revised as per "Tool to calculate the emission factor for an electricity system (ver.7.0)". /06/

As seen above step 1, the combined margin emission factor needs to be updated. Thus, the renewal crediting period step 2 has been used as per the requirement.

**Step 2 : Update the current baseline and data and parameters.****Step 2.1 : Update the current baseline.**

As per the applied methodology AMS-I.F. (ver.3.0), the baseline emission for the corresponding CPAs are the generated electricity by the CPA and the grid emission factor in the 2<sup>nd</sup> PoA period. Thus, the baseline scenario of the CPA has not been changed and the required data and parameter has been updated as per the requirement of the "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period (ver.3.0.1)". /05/

In absence of the PoA/CPAs, the corresponding amount of electricity generated by the CPAs would have been generated by the generation mix of the KEPCO grid. Thus, it concluded that the baseline of CPAs has not been changed in the 2<sup>nd</sup> PoA period and there are no impact of national and/or sectoral policies.

**Step 2.2 : Update the data and parameter**

The combined margin emission factor has been calculated to 0.6693 tCO<sub>2</sub>/MWh considering a weight of  $w_{OM} = 0.75$  and  $w_{BM} = 0.25$ , as stipulated for the second crediting period in the "Tool to calculate the emission factor for an electricity system (ver.7.0)". /06/ as detailed below section.

**Update of emission factor**

Emission factor for the grid is updated in accordance with "TOOL07: tool to calculate the emission factor for an electricity system (ver.7.0)". /06/. For this purpose it has been validated by KSA validation team that the CME applied all the 6 steps as per the approved baseline methodology.

Since the Korean electricity system is not constituted of layered dispatch system, the grid is considered for the determination of a baseline grid electricity emission coefficient (EF<sub>CO2</sub>).

At first, the CME have selected year of 2016, 2017, and 2018 to calculate operating margin (OM) for 2<sup>nd</sup> PoA period. According to the "Tool to calculate emission factor for an electricity system (ver.7.0)". /06/, to calculate simple OM, 3-year generation-weighted average based on the most recent data at the time of



submission of the updated PoA-DD to the DOE shall be used. At the time of validation for renewal of PoA, "The status report of generation facility for 2018" /20/, which is essential information to calculate OM, has been published on July 2019. In this reason, validation team has concluded that the selection of 2016~2018 for OM is appropriate.

Step 1: Identify the relevant electric power system

The electricity by the proposed project activity is connected physically to KEPCO grid which is the only one in Korea except small islands that operates isolated minigrid. Validation team confirmed that all major islands, connected to KEPCO grid, including Jeju are included in the calculation. Thus, the relevant electric power system is KEPCO grid.

Step 2: Choose whether to include off-grid power plants in the project electricity system (optional)

"Option I . Only grid power plants are included in the calculation" was chosen by CME

Step 3: Select an Operation Margin (OM) Method

As low-cost/must-run resources constitute less than 50% of total grid generation in average of the five most recent years, "Simple OM" method option has been chosen.

During the most recent 5 years (2014 ~ 2018), low-cost/must run resources constitute 33.7% of total grid generation which is less than 50%.

Step 4: Calculate the operation margin emission factor according to the selected method.

According to the selected method, simple OM is calculated as the generation-weighted average emission per electricity unit of all generating power plant within KEPCO grid, not including low-operating cost and must run power plants for the most recent three years (2016 ~ 2018). Subsequently choosing Option A, the simple OM emission factor is determined as per formulae of tool as  $OM = 0.7081$

Step 5: Calculate the build margin (BM) emission factor

In the calculation of build margin, capacity additions of the most recent plants contributing to 20% of the total generation are used. Since 20% falls on part capacity plants contributing to 20.3% of the total generation have been considered during build margin calculations.

The approximate operation margin is calculated as average of data available for three years 2016, 2017 and 2018, which is the most recent statistics available at the time of updated PoA-DD submission to the DOE for validation. The build margin is calculated using data of 2018.

BM is calculated as the generation-weighted average emission factor of all generating power plant within KEPCO grid during the most recent year y for which power generation data is available. BM emission factor is determined as per formulae of tool as  $BM = 0.5537$ .

Step 6: Calculate the combined margin (CM) emission factor

According to "Tool to calculate the emission factor for an electricity system (ver.7.0)", the weighting factor is set to be respectively = 75% and = 25% for second PoA period. The combined margin (CM) of the project activity is calculated as  $0.6693 \text{ tCO}_2/\text{MWh}$ . The baseline emission factor determined ex-ante will be used for calculation of emission reductions.

All steps and formula mentioned in the methodology are properly applied in the updated PoA-DD. There is no transfer of energy generating equipment from another activity or the transfer of exiting equipment to another activity. The emission reduction by the project will be direct function of the net electricity fed to the KEPCO grid.

	<p>As above, KSA confirmed that all data used for the calculation are not excessive and appropriate. All the equations involved along with the KEPCO grid power sector data used for calculation were found by the validation team to be in line with the "TOOL07: tool to calculate the emission factor for an electricity system (ver.7.0)" /06/.</p> <p>The grid emission factor (CM) has been validated as 0.6693 tCO<sub>2</sub>/MWh, the same value has properly been used in the emission reduction calculation as per the requirement of latest version of AMS-I.F. (ver.3).</p> <p>No CARs, CLs and FARs were raised</p>
<b>Conclusion</b>	<p>Validation team concluded that the original baseline is still valid, in accordance with PS PoA (ver.2.0) and VVS PoA (ver.2.0), including methodological tool "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period (ver.3.0.1)"/05/ and "TOOL07: Tool to calculate the emission factor for an electricity system (ver.7.0)" /06/</p>

### D.2.3. Estimated emission reductions or net anthropogenic removals

<b>Means of validation</b>	<p>Validation team reviewed updated methodology AMS-I.F. (ver.3.0) to figure out changes on emission reductions calculation. Then validation team checked steps to estimate emission reductions provided in the updated PoA-DD.</p>
<b>Findings</b>	<p>Validation team found that revisions of methodology do not impact on the PV project. In this reason, same equations are applied to the updated PoA-DD.</p> <p>Baseline emission is calculated by following equation:</p> $BE_y = EG_{BL,y} \times EF_{CO_2,y}$ <p>where,  <math>EG_{BL,y}</math> is quantity of net electricity displaced,  <math>EF_{CO_2,y}</math> is emission factor for electricity system</p> <p>And no project and leakage emissions were identified, same as original PoA-DD.</p> <p>Based on most recently included CPA, emission reductions for initial CPA for 2<sup>nd</sup> PoA period is expected as follow:</p> $EG_{BL,y} = 1,457 \text{ kW} \times 24\text{hr/day} \times 365 \text{ day/yr} \times 15.3\% \\ = 1,953 \text{ MWh}$ $ER = BE = 1,953 \text{ MWh} \times 0.6693 \text{ tCO}_2/\text{MWh} \\ = 1,307 \text{ tCO}_2/\text{yr}$ <p>To estimate amount of electricity production, generic CPA applied 15.3% of load factor, from press release by Host party's government /22/. The document was released on 12/08/2019, so can be regarded as very recent data. Validation team found that the value is same with the value applied in CPA01. In addition approximately 15% is applied to design PV plant in the host country, so validation team concluded 15.3% value is appropriate to estimate emission reduction.</p> <p>CL03 was raised and closed</p>
<b>Conclusion</b>	<p>Validation team concluded that the calculation of emission reduction are considered correct and the baseline methodology has been correctly applied according to the relevant requirements.</p> <ol style="list-style-type: none"> <li>(1) All the assumptions and data used by the project participants are listed in the PoA-DD, including their references and sources;</li> <li>(2) All documentation used by project participants as the basis for assumptions and sources of data is correctly quoted and interpreted in the PoA-DD;</li> <li>(3) All values used in the PoA-DD are considered reasonable in the context of the</li> </ol>

	<p>proposed CDM program of activity.</p> <p>(4) The baseline methodology has been applied correctly to calculate project emissions, baseline emissions, leakage and emission reductions.</p> <p>(5) All estimates of the baseline emissions can be replicated using the data and parameter values provided in the PoA-DD.</p>
--	---

#### D.2.4. Validity of monitoring plan

<b>Means of validation</b>	Validation team identified monitoring requirements required by updated methodology, and reviewed monitoring plan described in the updated PoA-DD
<b>Findings</b>	<p>Paragraph 29 of AMS-I.F. (ver.3.0) provides monitoring requirements for each parameter. The PoA and corresponding CPAs need to monitor only <math>EG_{BL,y}</math>, quantity of net electricity displaced in year <math>y</math>, without changes from old version.</p> <p>The updated PoA-DD demonstrates that electricity meters would be installed to measure electricity supplied to the users, and auxiliary power consumption would be estimated in a conservative manner. This plan has been consistently applied from 1<sup>st</sup> PoA period under original PoA-DD.</p> <p>CAR02 was raised and closed</p>
<b>Conclusion</b>	Validation team confirms that monitoring plan described in the updated PoA-DD is appropriate and comply with updated monitoring methodology AMS-I.F. (ver.3.0)

#### D.2.5. Eligibility criteria for inclusion of CPAs

Means of validation	<p>Validation team reviewed eligibility criteria defined in section K of updated PoA-DD, then assessed whether the criteria fully include paragraph 124 of PS PoA (ver.2.0)</p> <p>Then, validation team also checked whether updated eligibility criterion related demonstration of additionality meets relevant requirements including followings:</p> <p>(1) TOOL21: Demonstration of additionality of smallscale project activities (ver.13.0) /07/</p> <p>(2) TOOL19: Demonstration of additionality of microscale project activities (ver.9.0) /08/</p>															
Findings	<p>At first, validation team found that CME divided into two eligibility criteria tables for (i) small scale CPA inclusion case and for (ii) micro scale CPA inclusion case. For each case, validation team checked each criterion with requirements in PS PoA (ver.2.0)</p> <p><b><u>Case 1. Small scale CPA inclusion</u></b></p> <table><tr><th>paragraph in PS PoA</th><th>criterium in updated PoA-DD</th><th>Remarks</th></tr><tr><td>124(a)</td><td>(1) The CPA is performed within the Republic of Korea.</td><td>Not revised</td></tr><tr><td>124(b)</td><td>(3) The CPA is not involved in another renewable energy project that is registered or under validation as a CDM project activity or as a CPA under another PoA, in accordance with the signed certificate by CPA implementer.</td><td>Not revised</td></tr><tr><td>124(c)</td><td>(3) The CPA is not involved in another renewable energy project that is registered or under validation as a CDM project activity or as a CPA under another PoA, in accordance with the signed certificate by CPA implementer.</td><td>Not revised</td></tr><tr><td>124(d)</td><td>(4) The solar modules and inverters</td><td>Not revised</td></tr></table>	paragraph in PS PoA	criterium in updated PoA-DD	Remarks	124(a)	(1) The CPA is performed within the Republic of Korea.	Not revised	124(b)	(3) The CPA is not involved in another renewable energy project that is registered or under validation as a CDM project activity or as a CPA under another PoA, in accordance with the signed certificate by CPA implementer.	Not revised	124(c)	(3) The CPA is not involved in another renewable energy project that is registered or under validation as a CDM project activity or as a CPA under another PoA, in accordance with the signed certificate by CPA implementer.	Not revised	124(d)	(4) The solar modules and inverters	Not revised
paragraph in PS PoA	criterium in updated PoA-DD	Remarks														
124(a)	(1) The CPA is performed within the Republic of Korea.	Not revised														
124(b)	(3) The CPA is not involved in another renewable energy project that is registered or under validation as a CDM project activity or as a CPA under another PoA, in accordance with the signed certificate by CPA implementer.	Not revised														
124(c)	(3) The CPA is not involved in another renewable energy project that is registered or under validation as a CDM project activity or as a CPA under another PoA, in accordance with the signed certificate by CPA implementer.	Not revised														
124(d)	(4) The solar modules and inverters	Not revised														

	applied to CPA obtain certification from Korea.	
124(e)	(5) The CPA has the documentary evidence to check its start date and does not commence prior to the start date of validation for PoA (01/09/2011)	Not revised
124(f)	(6) The CPA meets the applicability of AMS-I.F.	Not revised
124(g)	(2) The CPA applies photovoltaic power plants to housing, buildings and the <u>installed capacity is less than or equal to 15MW.</u> (8) The CPA meets the requirements pertaining to demonstration of additionality	CME divided original eligibility criteria into two tables in updated PoA-DD. The only change is to separate criterion for assessment of additionality for small-scale/microscale each. In case small-scale CPA, additionality would be demonstrated by installed capacity. Further description is provided in section C of updated PoA-DD.
124(h)	(6) The CPA meets the applicability of AMS-I.F.	Not revised
124(i)	(8) The CPA performs local stakeholder consultation before the inclusion of SSC-CPA. (9) The CPA considers the environmental impacts analysis according to the regulation of the Republic of Korea.	Not revised
124(j)	(10) The CPA has the documentary evidence to check project costs and does not result in a diversion of official development assistance from Annex I.	Not revised
124(k)	(2) The CPA applies photovoltaic power plants to housing, buildings and the installed capacity is less than or equal to 15MW.	Not revised
124(l)	N/A	sampling approach is not applied to the PoA/CPAs, so this criterion is not applied to the original/updated PoA-DD.
124(m)	(2) The CPA applies photovoltaic power plants to housing, buildings and the installed capacity is less than or equal to 15MW.	CME has revised eligibility criteria into two(2) tables for small scale and micro scale each. For small scale CPA, 15MW of capacity threshold is appropriately set.
124(n)	(11) The CPA is not a de-bundled component of a large scale activity through the de-bundling check.	Not revised
Other	(12) The CPA makes the agreement with CME to involve the CPA in PoA and obtain CERs rights. In case that CPA implementer is same with CME, the agreement is not necessary.	Not revised

**Case 2. Micro scale CPA inclusion**

paragraph in PS PoA	criterium in updated PoA-DD	Remarks
124(a)	(1) The CPA is performed within the Republic of Korea.	Not revised
124(b)	(3) The CPA is not involved in another renewable energy project that is registered or under validation as a CDM project activity or as a CPA under another PoA, in accordance with the signed certificate by CPA implementer.	Not revised
124(c)	(3) The CPA is not involved in another renewable energy project that is registered or under validation as a CDM project activity or as a CPA under another PoA, in accordance with the signed certificate by CPA implementer.	Not revised
124(d)	(4) The solar modules and inverters applied to CPA obtain certification from Korea.	Not revised
124(e)	(5) The CPA has the documentary evidence to check its start date and does not commence prior to the start date of validation for PoA (01/09/2011)	Not revised
124(f)	(6) The CPA meets the applicability of AMS-I.F.	Not revised
124(g)	(2) The CPA applies photovoltaic power plants to housing, buildings and the <u>installed capacity is less than or equal to 5MW.</u> (8) The CPA meets the requirements pertaining to demonstration of additionality	CME divided original eligibility criteria into two tables in updated PoA-DD. The only change is to separate criterion for assessment of additionality for small-scale/microscale each. In case small-scale CPA, additionality would be demonstrated by installed capacity. Further description is provided in section C of updated PoA-DD.
124(h)	(6) The CPA meets the applicability of AMS-I.F.	Not revised
124(i)	(8) The CPA performs local stakeholder consultation before the inclusion of SSC-CPA. (9) The CPA considers the environmental impacts analysis according to the regulation of the Republic of Korea.	Not revised
124(j)	(10) The CPA has the documentary evidence to check project costs and does not result in a diversion of official development assistance from Annex I.	Not revised
124(k)	(2) The CPA applies photovoltaic power plants to housing, buildings and the <u>installed capacity is less than or equal to 5MW.</u>	CME has revised eligibility criteria into two(2) tables for small scale and micro scale each. For micro scale

			CPA, 5MW of capacity threshold is appropriately set.
	124(l)	N/A	sampling approach is not applied to the PoA/CPAs, so this criterion is not applied to the original/updated PoA-DD.
	124(m)	(2) The CPA applies photovoltaic power plants to housing, buildings and the <u>installed capacity is less than or equal to 5MW.</u>	CME has revised eligibility criteria into two(2) tables for small scale and micro scale each. For micro scale CPA, 5MW of capacity threshold is appropriately set.
	124(n)	(11) The CPA is not a de-bundled component of a large scale activity through the de-bundling check.	Not revised
	Other	(12) The CPA makes the agreement with CME to involve the CPA in PoA and obtain CERs rights. In case that CPA implementer is same with CME, the agreement is not necessary.	Not revised
CAR03 was raised and closed			
<b>Conclusion</b>	As a result of above assessment, validation team concluded that: (1) eligibility criteria in updated PoA-DD cover all requirements in paragraph 124 of PS PoA (ver.2.0) (2) Distinct set of eligibility criteria for small scale and micro scale case is appropriately reflect relevant additionality tools /07//08/.		

## SECTION E. Internal quality control

>> After validation team prepared draft validation report for the updated PoA-DD, KSA designated technical review team, in accordance with internal procedure, to conduct independent technical review. As a result, the validation report was revised.

## SECTION F. Validation opinion

>> Korean Standards Association (KSA) has carried out a validation of the renewal of PoA period for "Programme of Activities to introduce renewable energy system into collective housing, Republic of Korea (reference# 9247)". The validation has performed on the basis of UNFCCC criteria for the Clean Development Mechanism and the host country criteria. The validation include an assessment of the following issues:

- The impact of current national and/or sectoral policies and circumstances on the baseline taking into account relevant guidance from the Board with regard to renewal of PoA period at the time of assessment;
- The correctness of the application of an approved baseline methodology for the determination of the continued validity of the baseline or its update, and the estimation of emission reductions for the renewal of PoA period.

The review of the original/updated PoA-DD and additional documents related to baseline and monitoring methodology, subsequent background investigation and follow-up interviews have provided KSA with sufficient evidence to determine the validity of the original baseline and/or its

update through an assessment. The project activity correctly applies the baseline and monitoring methodology AMS-I.F. (ver.03).

In KSA's opinion, "Programme of Activities to introduce renewable energy system into collective housing, Republic of Korea (reference# 9247)", as described in the updated PoA-DD, meets all relevant UNFCCC requirements for CDM and the host country criteria, is eligible as small-scale CDM PoA, and correctly applies latest version of methodology AMS-I.F. (ver.03). Hence, KSA requests the renewal of PoA period of the registered programme.

## Appendix 1. Abbreviations

Abbreviations	Full texts
CDM	Clean Development Mechanism
CME	Coordinating/Managing Entity
CI	CPA Implementer
CPA	Component Project Activities
DOE	Designated Operational Entity
KEPCO	Korea Electric Power Corporation
KPX	Korea Power Exchange
KSA	Korean Standards Association
LH	Korean Land & Housing Corporation
PoA	Programme of Activities
PoA-DD	PoA Design Document
PS	Project Standard
PV	Photovoltaic
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard



## Appendix 2. Competence of team members and technical reviewers

Name	Mr. Choi, SeungKeun	Mr. Sohn, Kyuil	Mr. Hong, SeungHyeong	Mr. Park, SeongYong
Role	Validation Team Leader	Validator	Validator (Trainee)	Technical reviewer
Competence in relevant sector	Competent in sector 1 (Especially for T.A. 1.2.)	Competent in sector 1 (Especially for T.A. 1.2.)	N/A	Competent in sector 1 (Especially for T.A. 1.2.)
Responsibility	Document Review Interview Findings & resolution VR preparation	Document Review Interview Findings & resolution	Document Review Interview Findings & resolution	Technical review

# KSA

## GHG Validator/Verifier Certificate

SeungKeun Choi

Certificate No. : CDM-015

Technical Area : 1.1, 1.2, 2.1, 3.1, 13.1, 13.2

Korean Standards Association hereby certifies that the above person is qualified by KSA's Qualification requirements to conduct validation and verification for CDM and GHG project.

VALID FROM

2019.04.04

VALID UNTIL

2022.04.03

PRESIDENT OF KSA



**KOREAN STANDARDS ASSOCIATION**

20F, Kotech Center Bldg, 305 Teheran-ro, Gangnam-gu, Seoul, Korea

# KSA

## CDM Validator/Verifier Certificate

Kyull Sohn

Certificate No. : CDM-001

Technical Area : 1.1, 1.2, 2.1, 3.1, 13.1, 13.2

Korean Standards Association hereby certifies that the above person is qualified by KSA's Qualification requirements to conduct validation and verification for CDM and GHG project.

VALID FROM

2019.04.04

VALID UNTIL

2022.04.03

PRESIDENT OF KSA



**KOREAN STANDARDS ASSOCIATION**

20F, Kotech Center Bldg, 305 Teheran-ro, Gangnam-gu, Seoul, Korea

# KSA

## CDM Validator/Verifier Certificate

SeungHyeong Hong

Certificate No. : CDM-032

Technical Area : -

Korean Standards Association hereby certifies that the above person is qualified by KSA's Qualification requirements to conduct validation and verification for CDM and GHG project.

VALID FROM

2019.05.01

VALID UNTIL

2021.04.30

PRESIDENT OF KSA



**KOREAN STANDARDS ASSOCIATION**

20F, Kotech Center Bldg, 305 Teheran-ro, Gangnam-gu, Seoul, Korea

# KSA

## CDM Validator/Verifier Certificate

SeongYong Park

Certificate No. : CDM-014

Technical Area : 1.1, 1.2, 4.1, 5.1, 9.2, 13.1

Korean Standards Association hereby certifies that the above person is qualified by KSA's Qualification requirements to conduct validation and verification for CDM and GHG project.

VALID FROM

2019.04.04

VALID UNTIL

2022.04.03

PRESIDENT OF KSA



**KOREAN STANDARDS ASSOCIATION**

20F, Kotech Center Bldg, 305 Teheran-ro, Gangnam-gu, Seoul, Korea

## Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	CME	Revised PoA-DD for 2 <sup>nd</sup> PoA period	ver.2	CME
2	CME	Original PoA-DD	ver.9	CME
3	UNFCCC	Applied methodology AMS-I.F.	ver.03	Others
4	UNFCCC	Latest PoA-DD template, CDM-PoA-DD-FORM	ver.9.0	Others
5	UNFCCC	TOOL11: Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period	ver.3.0.1	Others
6	UNFCCC	TOOL07: Tool to calculate the emission factor for an electricity system	ver.7.0	Others
7	UNFCCC	TOOL21: Demonstration of additionality of smallscale project activities	ver.13.0	Others
8	UNFCCC	Tool19: Demonstration of additionality of microscale project activities	ver.9.0	Others
9	UNFCCC	CDM Project Standard for Programme of Activities	ver.2.0	Others
10	UNFCCC	CDM Validation and Verification Standard for Programme of Activities	ver.2.0	Others
11	CME	Latest MoC Annex2  < <a href="https://cdm.unfccc.int/ProgrammeOfActivities/poa_db/EF8U4V2Z6KS3RB5MC1T9OYX7GPNLIQ/view">https://cdm.unfccc.int/ProgrammeOfActivities/poa_db/EF8U4V2Z6KS3RB5MC1T9OYX7GPNLIQ/view</a> >	18/05/2017	Others
12	UNFCCC	Applied methodology AMS-I.F.	ver.02	Others
13	CME	Emission factor calculation spreadsheet	ver.5	CME
14	Host party	Framework Act on Low Carbon Green Growth	31/12/2018	Others
15	Host party	Electric Utility Act	23/04/2019	Others
16	Host party	Rules on the operation of electric utility market	14/12/2019	Others
17	Host party	Energy Act	20/08/2019	Others
18	Host party	Act on the promotion of the development, use and diffusion of new and renewable energy	15/01/2019	Others
19	Host party	Act on the allocation and trading of greenhouse-gas emission permits	16/10/2018	Others
20	Korea Power Exchange	The status report of generation facility for 2018 by KPX	July 2019	Others
21	KEPCO	Statistics of Electric Power in Korea	May 2019	Others
22	Ministry of	Load factors for renewable	02/08/2019	Others

	industry, trade, and energy.	energy facilities		
--	---------------------------------	-------------------	--	--

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

**Table 1. CL from this validation**

<b>CL ID</b>	01	<b>Section no.</b>	D.1.3	<b>Date:</b> 10/11/2019
<b>Description of CL</b>				
<i>Validation team reviewed previous assessment record related to the registered PoA, and found that latest version PoA-DD is version 9 (on the 1st monitoring report), but PoA-DD (version 8) is provided to the validation team. Please provide latest version of PoA-DD, if version 8 is old one.</i>				
<b>Project participant response</b>				<b>Date:</b> 29/11/2019
<i>There was PRC during 1<sup>st</sup> monitoring, and PoA-DD was revised.</i>				
<b>Documentation provided by project participant</b>				
<i>Latest version of PoA-DD (ver.9)</i>				
<b>DOE assessment</b>				<b>Date:</b> 10/12/2019
Validation team reviewed PRC version PoA-DD(ver.9), and checked on CDM website. CL01 closed				

<b>CL ID</b>	02	<b>Section no.</b>	D.1.3	<b>Date:</b> 10/11/2019
<b>Description of CL</b>				
<i>The registered PoA-DD (ver.8) shows that LH Corporation and Ecoeye are project participants, but Ecoeye is not listed in updated PoA-DD (ver. 1.0). Please clarify.</i>				
<b>Project participant response</b>				<b>Date:</b> 29/11/2019
<i>Request for withdrawal of PP is submitted</i>				
<b>Documentation provided by project participant</b>				
<i>N/A</i>				
<b>DOE assessment</b>				<b>Date:</b> 10/12/2019
Validation team checked CDM website, and confirmed MoC annex 2 is revised and Ecoeye has been dropped on 09/12/2019. CL closed				

<b>CL ID</b>	03	<b>Section no.</b>	D.2.3	<b>Date:</b> 10/11/2019
<b>Description of CL</b>				
<i>Please provide "The utilization coefficient is based on the report available by KPX(Korea Power Exchange)", as the evidence of 3.672 hr/day</i>				
<b>Project participant response</b>				<b>Date:</b> 29/11/2019
<i>PoA-DD revised to apply 15.3% of load factor</i>				
<b>Documentation provided by project participant</b>				
<i>Documented evidence of load factor /22/</i>				
<b>DOE assessment</b>				<b>Date:</b> 10/12/2019

Validation team reviewed the evidence of load factor and revised PoA-DD, then closed CL03
---

<b>CL ID</b>	04	<b>Section no.</b>		<b>Date:</b> 10/11/2019
<b>Description of CL</b>				
<i>CME revised eligibility criteria, so please provide "CDM Operation Manual" that reflected the revised criteria</i>				
<b>Project participant response</b>				<b>Date:</b> 29/11/2019
<i>revised operation manual is submitted</i>				
<b>Documentation provided by project participant</b>				
<i>revised CDM operation manual by CME</i>				
<b>DOE assessment</b>				<b>Date:</b> 10/12/2019
Validation team reviewed latest version of CDM operation manual and closed CL04				

Table 2. CAR from this validation

<b>CAR ID</b>	01	<b>Section no.</b>	D.1.3	<b>Date:</b> 10/11/2019
<b>Description of CAR</b>				
<i>Parties involved" section is not filled in the updated PoA-DD (ver. 1)</i>				
<b>Project participant response</b>				<b>Date:</b> 29/11/2019
<i>Request for withdrawal of PP is submitted, so PoA-DD revised</i>				
<b>Documentation provided by project participant</b>				
<i>Revised PoA-DD</i>				
<b>DOE assessment</b>				<b>Date:</b> 10/12/2019
Validation team checked CDM website, and confirmed MoC annex 2 is revised and Ecoeye has been dropped on 09/12/2019. CAR01 closed				

<b>CAR ID</b>	02	<b>Section no.</b>	D.2.4	<b>Date:</b> 10/11/2019
<b>Description of CAR</b>				
<i>CME revised monitoring plan for EG<sub>BL,y</sub>. However, validation team cannot find out how CME can guarantee that corresponding CPAs: 1) do not import electricity from the grid; and, 2) do not install any facilities that consume electricity from collective housings (eg, PV monitoring system)</i>				
<b>Project participant response</b>				<b>Date:</b> 29/11/2019
<i>CME revised monitoring plan, reflecting original PoA-DD</i>				
<b>Documentation provided by project participant</b>				
<i>Revised PoA-DD</i>				
<b>DOE assessment</b>				<b>Date:</b> 10/12/2019
Validation team reviewed revised PoA-DD then confirmed CME has withdrawn monitoring plan revision. Monitoring plan in the revised PoA-DD is now same with original PoA-DD				

<b>CAR ID</b>	03	<b>Section no.</b>		<b>Date:</b> 10/11/2019
<b>Description of CAR</b>				



<i>CME is required to demonstrate how eligibility criteria covers paragraph 124 (a)–(n) of PS PoA (ver.2.0)</i>	
<b>Project participant response</b>	<b>Date:</b> 29/11/2019
<i>PoA-DD is revised to show how each eligibility criterion meets requirements in the PS PoA</i>	
<b>Documentation provided by project participant</b>	
<i>revised PoA-DD</i>	
<b>DOE assessment</b>	<b>Date:</b> 10/12/2019
Validation team reviewed revised PoA-DD, compared with requirements in PS PoA (ver.2.0) then confirmed all criteria covers all requirements. CAR03 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>				
<i>No FARs were raised</i>				
<b>Project participant response</b>				<b>Date:</b> DD/MM/YYYY
<b>Documentation provided by project participant</b>				
<b>DOE assessment</b>				
<b>Date:</b> DD/MM/YYYY				

- - - - -

**Document information**

<i>Version</i>	<i>Date</i>	<i>Description</i>
02.0	31 May 2019	Revision to: <ul style="list-style-type: none"><li>• Ensure consistency with version 02.0 of the “CDM validation and verification standard for programmes of activities” (CDM-EB93-A08-STAN) and version 02.0 of the “CDM project cycle procedure for programmes of activities” (CDM-EB93-A09-PROC);</li><li>• Make editorial improvements.</li></ul>
01.0	29 December 2017	Initial publication.

Decision Class: Regulatory  
Document Type: Form  
Business Function: Renewal of crediting period  
Keywords: crediting period, programme of activities, validation report