

CDM-EB84-AA-A10

Concept note

Analysis of implications of allowing requests for revision of a methodology without a draft PDD

Version 01.0



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1. Procedural background

1. The Executive Board of the clean development mechanism (CDM) (hereinafter referred to as the Board) through its 2014 annual report to the Conference of the Parties, serving as the meeting of the Parties to the Kyoto Protocol (CMP)¹ recommended that a project design document (PDD) is not required to be submitted along with a request for revision of a methodology in cases where the Board considers that the assessment of such a request can be conducted without the project-specific information. The Board sought an endorsement from the CMP in this regard.
2. Through paragraph 5 of decision 4/CMP.10, "Guidance relating to the clean development mechanism", the CMP requested the Board to further consider the implications of allowing requests for revision of a baseline and monitoring methodology without a draft project design document (PDD) in cases where the Board considers that the assessment of such a request can be conducted without project-specific information, in order to provide flexibility in the provisions contained in decision 3/CMP.1, annex, paragraph 38, and to report back to CMP 11 for its consideration.
3. A concept note including an analysis of potential implications of allowing requests for revision of a methodology without a draft PDD has been included as a deliverable product under project 223 "Simplification of methodologies including digitization to reduce transaction costs" of "CDM Executive Board workplan 2015" for consideration by the Board at its eighty-fourth meeting (EB 84).
4. As per the approved "Work plan of panels and working groups for 2015", the Methodologies Panel (MP) provided inputs to the secretariat on the preparation of the concept note including at its sixty sixth meeting which have been taken into account.

2. Purpose

5. The purpose of this document is to analyse the potential implications of the Board allowing requests for revision of an approved methodology without a draft PDD in cases where the assessment of such a request can be conducted without project-specific information.

3. Key issues and proposed solutions

3.1. Current requirements on documentation to be submitted along with a request for revision

6. As per paragraphs 38 and 39 of the annex to decision 3/CMP.1, "Modalities and procedures for a clean development mechanism" (M&P), a draft PDD including a description of the project and identification of the project participants, shall be provided to propose a revision of an approved methodology. The M&P also require the Board to consider the submission expeditiously, if possible at its next meeting but not later than four months.
7. The Board's "Procedure on development, revision and clarification of baseline and monitoring methodologies and methodological tools" (latest version effective since April

¹ FCCC/KP/CMP/2014/5.

2013, hereinafter referred to as methodology procedure) has operationalized the requirements of the M&P. It allows the project participants (PPs) of a planned CDM project activity, the coordinating/managing entity (CME) of a planned CDM programme of activities (PoA), a designated operational entity (DOE), a designated national authority (DNA) or any other stakeholder to submit a request for revision to the methodology.

8. The methodology procedure requires that a form be submitted providing the reasons for requesting revision to the methodology including the context of the project or PoA in which the revision arose. It also requires that the proposed revised methodology highlighting the proposed changes to the approved methodology be provided. The methodology procedure requires submission of a draft PDD or programme design document (PoA-DD) including a description of the project activity and the sections showing the application of the methodology and crediting period. Furthermore sections on additionality and eligibility criteria, besides a general description of a generic component project activity (CPA) are also required for the case of a PoA.
9. The methodology procedure also stipulates that proposed changes should not generally result in the exclusion, restriction or narrowing of the applicability conditions of the methodology; where such changes are necessary a new methodology should be proposed. As a general rule changes that involve amendments to more than half of the provisions of the methodology (e.g. new scenarios, methods) require the submission of a new methodology. Timelines indicated in the procedures are included in appendix 1 to this document.

3.2. Assessment method

10. To better assess the potential implications of a waiver of PDD submission, a review of a sample of revision requests submitted to date was carried out to summarize the typical issues handled through a methodology revision process. More specifically, the following work was carried out:
 - (a) Analysis of a representative sample of requests for revision to methodologies and accompanying PDDs to assess value addition from the information in the PDD for the consideration process;
 - (b) Review and identification of clarification requests that amounted to or triggered revisions, also analysing the considerations for accepting these clarifications and recommending revision of approved methodologies;
 - (c) Categorization of the above information relative to types and extent of changes requested in the submissions and extent of further communications with the submitter that were required to arrive at a response;
 - (d) Deriving conclusions and recommendations based on the above steps. Additionally the scope for simplifications of requirements for the accompanying PDD was also assessed.
11. A sample of clarification requests was also included in the analysis as the Board has previously approved requests for clarification that led to a revision of a methodology or methodological tool, for example AM_CLA_0247 "Clarification on the applicability of ACM0002 Version 13.0.0 to a hydropower project activity", SSC_699 "Query on debundling assessment for project activities using AMS-III.Z" and SSC_695 "Clarification on thermal efficiency monitoring requirements under AMS-II.G". As the procedure for

request for a clarification does not require the submission of a PDD it was considered that an analysis of revisions that resulted from a clarification request would provide valuable insights regarding implications of waiver of PDD submission.

12. It was seen that requested revisions ranged from suggesting minor changes to methodologies (e.g. correcting the units of a parameter, a formula or adding a new monitoring instrument) to major revisions such as adding new technologies or new monitoring requirements or applicability conditions. Furthermore the information in sections A to C of a draft PDD (e.g. location of project activity, a host Party, region/state/province, city/town/community, physical/geographical location, Parties and project participants) was helpful to confirm that the request was in the context of a real project activity being planned, but was not essential to process the substantive changes that were being requested. More detailed analysis follows in the sections below.

3.2.1. Analysis of a representative sample of requests for revision to large-scale CDM methodologies

13. Revision requests for large-scale CDM (LSC) methodologies to date total 255. Of these, the workflow has recorded data for 229 cases; 95 cases were recommended for revision, for 130 cases recommendation was not to revise, 4 cases were withdrawn. 73 cases out of 95 that received a positive recommendation from the MP and were approved by the Board resulting in revisions to approved methodologies were assessed. Rather than a random sample from the 255 cases, 73 successful cases were chosen as samples since it was considered unlikely that these cases had gaps in information and therefore would provide better insights for the task at hand.
14. Analysis of the time taken to process the cases showed that for the above sample, the time to conclusion was on an average 101 days with a standard deviation of 64 days (three outliers were removed from the analysis).
15. The type and purpose of the revision requests are detailed in appendix 2 to this concept note. A summary is also provided in Table 1 below.

3.2.2. Analysis of a representative sample of requests for revision to small-scale CDM methodologies

16. Of the total of 204 requests for revisions to small-scale CDM (SSC) methodologies submitted to date, for 120 cases the workflow has captured the data; 54 cases were recommended for approval by the Small-Scale Working Group (SSC WG) and approved by the Board resulting in revisions to approved SSC methodologies. The 54 approved cases were included in the sample for analysis.
17. Analysis of the time taken to process the cases showed that for the above sample, the time to conclusion was on an average 53 days with a standard deviation of 25 days.
18. The requirement for the submission of a PDD along with a request for a revision to a SSC methodology was introduced for the first time in the methodology procedure through annex 36 to the report of EB 70 (CDM-EB70-A36), which came into effect on 1 April 2013. Prior to that, the "Procedures for the revision of an approved small scale methodology by the Executive Board" (SSC methodology procedures, EB 34, annex 7)²

² This procedure is no longer in force.

that was in force required the submission of a draft revised methodology highlighting the proposed changes besides a form that indicated the context in which the revision was being requested. In addition, the SSC methodology procedures allowed additional information to be requested from submitters at any stage before preparation of the final recommendation of the SSC WG. However, it was not mandatory to submit a PDD.

19. Paragraph 16 of the “Simplified modalities and procedures for small-scale clean development mechanism project activities” (annex II to decision 4/CMP.1) states that “project participants willing to submit a new small-scale project activity category or revisions to a methodology shall make a request in writing to the Board providing information about the technology/activity and proposals on how a simplified baseline and monitoring methodology would be applied to this category” but does not include submission of a PDD as a mandatory requirement.
20. Of the 54 analysed requests only 13 submissions included a draft PDD/PoA-DD. Of those 54 cases, for nine of them additional information was requested from the proponents mainly regarding the technology/measure, justifications on proposed default values, emission reduction calculations, monitoring approach, diagrammatic presentation of the project activity, etc.
21. The types of revision requests included proposals for new/revised applicability condition(s), measure/technology and monitoring provisions. A complete analysis of the SSC revision request sample is provided in appendix 3 to this concept note. A summary is also provided in Table 1 below.
22. As the “General guidance to SSC methodologies”, “Guidelines on the demonstration of additionality of small-scale project activities” and “Guidelines on demonstrating additionality of microscale project activities” provided explicit guidance, the revision requests typically did not include baseline identification and additionality demonstration.

Table 1. Results from analysis of the large-scale and small-scale revision requests

No.	Purpose of revision	Information provided in PDD	Number of cases
1	New/revised applicability condition	a. Application to project specific situation b. Diagrammatic representation of the project boundary c. Emission reduction calculations specific to project d. Monitoring plan.	Large-scale: 26 Small-scale: 12
2	New/revised approach for emission reduction calculations	a. Application of approach for the project specific situation b. Application of monitoring procedure including new monitoring parameters	Large-scale: 10 Small-scale: 15

No.	Purpose of revision	Information provided in PDD	Number of cases
3	New project type	Following information in the context of the project specific situation: a. applicability condition/s b. Diagrammatic representation of the project boundary c. Determination of baseline scenario for new project type d. Emission reduction calculations for new project type and e. Application of monitoring procedure for new monitoring parameters for new project type	Large-scale: 30 Small-scale: 23
4	Revised procedure for additionality demonstration	Information on how the project activity demonstrates additionality using revised conditions for additionality demonstration	Large-scale: 02 Small-scale: 0
5	Editorial revision due to any one or more situations mentioned below a. Revision or addition of a new definition b. Emission reduction calculation c. Including appropriate notations, inclusion of mathematical equations for baseline emission calculations	Following information in the context of the project-specific situation a. Monitoring plan b. Revised equations for emission reduction calculations	Large-scale: 05 Small-scale: 04

3.2.3. Analysis of clarification requests that triggered revisions of approved large-scale methodologies

23. Of the 265 LSC clarification requests submitted to date, 125 were submitted in the last five years (i.e. since 2009). Also considering that recently (since April 2013) the Board has allowed the submission of clarification requests from the PPs directly without the need to route them through a DOE, only these 125 cases were considered for sampling. Out of the 125 cases 51 (around 40 per cent) resulted in revision to LSC methodologies. These included 37 cases where the MP requested the proponent to submit a revision request as per the procedure. Four cases were considered as editorial changes and the MP recommended a revision of the methodology in parallel with recommending a response to the request. In 10 cases the approved response to clarification request indicated that the MP would include the issue when proposing the next revision of the methodology and a PDD was not requested from the proponent.
24. The types of revisions triggered by clarification requests include changes to applicability conditions, baseline scenario, emission reduction calculations, project boundary, monitoring requirements. A complete analysis of the LSC clarification request sample is included in appendix 4 to this concept note.

3.2.4. Analysis of clarification requests that triggered revisions of approved small-scale methodologies

25. Of the 460 SSC clarification requests submitted, 190 were submitted since 2009. Of the 190, 70 cases (36 per cent) resulted in revisions of SSC methodologies; in 19 cases the PPs were requested to submit a formal revision request as per the procedures, while in the remaining 51 cases the SSC WG recommended a revision to the methodology including the relevant issue either at the time of recommending a response to the clarification request or while recommending a revision to the related methodology in a subsequent meeting. A complete analysis of the sample of SSC clarification requests is included in appendix 5 to this concept note. A PDD was not requested in the latter cases.
26. Among the types of revisions that were triggered by clarification requests a wide range of changes were identified varying from editorial changes (only four cases) to revisions of applicability conditions, baseline scenarios, emission reduction calculation approaches, monitoring requirements, etc.

3.2.5. Categorization of types changes requested in the submissions

27. Table 2 below provides an overview of the types of revisions and actual information used to assess the changes.

Table 2. Classification of types of revisions and information used for the assessments

No.	Purpose of revision	Information needed for the assessment	Relevance
1	New/revised applicability condition	a. Technical information on new technology/measure b. Information on project boundary for new/revised applicability condition	Large-scale and small-scale
2	New/revised approach for emission reduction calculations	a. Justifications on the proposed emission reduction calculation approach b. Applying the approach requiring ex ante estimations	Large-scale and small-scale
3	New project type	a. Information on new project technology/measure b. Justifications on baseline scenario for new project type c. Justifications for the new approach	Large-scale and small-scale
4	Revised additionality demonstration	a. Information on how the project activity demonstrates additionality using revised conditions for additionality demonstration	Large-scale

No.	Purpose of revision	Information needed for the assessment	Relevance
5	Editorial revisions: a. Revision or addition of a definition b. Appropriate notations, naming of parameters in equations etc.	Illustration of the revision and justification to consider the proposed revision as editorial	Large-scale and small-scale

3.3. Potential implications, likelihood and remedial measures

28. The sections below discuss potential implications of allowing requests for revision of a methodology without a draft PDD, their likelihood of occurrence and potential remedial measures that may be implemented.
29. In general, the above analysis reveals that although the information in the PDD provided useful inputs for processing the revision requests, there was no evidence that it was indispensable.
30. A significant number of requests for clarification on LSC and SSC methodologies also resulted in revisions to methodologies, which in most cases did not require PDD submission.
31. For SSC cases the requirements for PDD submission to request a revision to a methodology was introduced only recently (through procedures that have been effective since April 2013). No negative implications were apparent from the large number of SSC revision/clarification cases that were processed without PDDs.
32. Encouraged by the CMP (e.g. paragraph 6 of decision 4/CMP.10) to simplify methodologies, the Board and its support structure are extensively involved in top down revisions to methodologies to make improvements based on the lessons learned in recent years. In these cases although potential PPs were consulted for feedback, PDDs were not prepared. Along the same lines, the Board has also allowed practitioners and stakeholders to provide comments to improve CDM methodologies in the methodology section of the CDM website including proposals to revise the provisions.
33. Implications and remedial measures may also include a need to improve the methodology procedure i.e. including criteria and provisions that require PPs to submit minimum information on project description in lieu of PDD in some cases (e.g. how the proposed revision will be applied in the project, whether that revision affects conservativeness of the baseline, monitoring and effectiveness of the additionality demonstration). More specific implications are included in Table 3 below.

Table 3. Potential implications

No.	Potential implications	Likelihood	Potential remedial actions
1	Processing of revision requests without project-specific information or PDDs may lead to recommendations for revision of methodologies by the secretariat/panels with incomplete information potentially impacting the environmental integrity of the methodologies.	Unlikely as the Board's recommendation was limited to the cases where the Board (and its support structure) consider that the assessment of a request can be conducted without project-specific information in order to provide flexibility to the project proponents thereby reducing transaction costs to them. Experience shows that even when PDDs were submitted with the request, additional information was required and was sought to effectively conclude the case.	If there are further concerns to begin with provision (i.e. PDD waiver) may be limited to cases involving SSC methodologies and/or non-point emission sources (e.g. distributed units) where there is a large body of accumulated experience in processing revisions to methodologies without a PDD. In other words exclude project types where materiality of changes proposed through revisions may involve activities leading to large amount emission reductions (point sources).
2	Case- by- case approach by panels/secretariat to request PDDs may be seen as inconsistent treatment of submitted requests.	Not very likely ; PDDs and additional information have been requested throughout the consideration process of methodologies even for cases where there was no mandatory requirement to provide PDDs, e.g. SSC revision/clarification cases in the past, LSC clarification cases. No concerns have been reported by stakeholders in this regard.	Criteria/procedure for secretariat/panel to request a PDD may be developed. Also for the purpose of user-friendliness and predictability, guidance can be developed for PPs on which type of revision requires what kind of project-related information.
3	Revision requests lacking essential information may be submitted by a stakeholder leading to inefficiencies in the system as currently there is no need to route the request through a DOE.	Unlikely to occur frequently. The methodology procedure envisages a completeness check by the secretariat to serve as a quality gate at an early stage. Moreover experience with the SSC clarification/revision process and LSC clarification process suggests that this will not occur frequently and is unlikely to create a bottleneck in the process.	Include an incentive for providing comprehensive information (e.g. eligibility for fast-track clearance). Highlight that at any stage of the assessment of a revision request, additional technical or project-specific information from the proponent may be requested if the submission has not provided comprehensive information.

No.	Potential implications	Likelihood	Potential remedial actions
4	Longer timelines for the consideration of methodology revisions may be necessary in cases where the need for a PDD is determined during the later stages of processing a submitted revision request.	Not very likely in most cases. Proponents of a revision request will likely conduct a risk-benefit analysis before choosing to submit the request without a PDD. As is seen with some SSC cases PDDs were submitted even when it was not mandatory where the proponent saw a risk of the consideration being delayed due to insufficient information. Furthermore experience shows that even when PDDs were submitted together with the revision requests panels/secretariat were obliged to seek additional information to effectively conclude the case.	Indicate that timelines included in the methodology procedure would be applicable only when PDDs are submitted together with a revision request although efforts are made in all cases to process the requests expeditiously.
5	Stakeholders will have flexibility and it is likely to incur reduced transaction cost. Time taken to revise the methodologies may also be reduced bringing further advantages to project development. A reduced validation period may also result when the project is in the early stages of development.	Likely . It should be noted that besides project proponents, other stakeholders including DNAs can submit revision requests in accordance with the procedures. The latter group are likely to find it cumbersome to provide PDDs to request revision as the proposed project activities may encompass many geographic regions and other conditions.	In the mean time until guidance from the CMP is received, the Board may also wish to consider whether it would be necessary to simplify the sections that are required to be filled when a PDD is required to be submitted (e.g. section B Application of baseline and monitoring methodology where the effects of the changes can be observed – baseline options, baseline and project emissions determination, list of new required data and new monitoring procedures (not new monitoring equipment)).

4. Impacts

34. The above analysis may facilitate the recommendation by the Board to the CMP on implications of allowing requests for revision to methodologies without a corresponding PDD.

5. Subsequent work and timelines

35. Potential implications of allowing requests for revision of a methodology without a draft PDD in cases where the Board considers that the assessment of such a request can be conducted without project-specific information should be reflected in the report of the Board to CMP.11.

6. Recommendations to the Board

36. The Board may wish to consider the draft potential implications of allowing requests for revision of a methodology without a draft PDD and agree to it with any modifications. The Board may wish to task the secretariat to include the agreed list of implications in in the report of the Board to CMP.11.
37. As a short term measure until further guidance is received from the CMP, the Board may wish to mandate the secretariat and the MP to undertake work to identify areas for simplification and streamlining in the methodology procedure. This may include for example the requirements for the draft PDD provided with a revision request and/or the requirements for a clarification request. The Board may wish to task the secretariat to make a recommendation for consideration by the Board at a future meeting.

Appendix 1. Timelines for requests for revisions in the methodology procedure

Table 1. Timelines for request for revision in the methodology procedure (in days)

	Completeness check	Additional information	Initial assessment	Additional information	Public consultations	Secretariat assessment	Draft recommendations	Time gap between meetings ¹	EB consideration ²
Secretariat	7d		30 d		15 d	10 d			
PP		5 d		5 d					
MP/SSC WG members							5 d		
MP/SSC WG meeting								70 – 90 d	
EB meeting									15 – 20 d
Total time	Maximum 162 – 177 days								

¹ Relevant when the case is considered in two meetings; procedures stipulate conclusion in three meetings utmost.

² From panel/WG meeting.

Appendix 2. Analysis of requests for revision to large-scale methodologies and accompanying PDDs

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0250	Revision for broadening the applicability of ACM0001 to include project distributing compressed/liquified LFG through a virtual-pipeline	New project type	<ol style="list-style-type: none"> 1. To broaden the applicability to include projects distributing compressed/liquefied landfill gas (LFG) through a virtual-pipeline. 2. Inclusion of baseline scenario accounting for the transport of natural gas (NG) to the point of consumption. 3. Inclusion of project emissions from trucks transporting liquefied natural gas (LNG) to point of consumption. 	No
AM_REV_0231	Revision of ACM0001 to include landfill gas utilization in glass melting furnaces	New project type	Revision aims to allow claim of emission reductions for utilization of landfill gas in glass melting furnaces.	No
AM_REV_0221	Revised ACM0001 version 12	New project type	Revision aims to allow claim of emission reductions for utilization of landfill gas in kiln.	No
AM_REV_0228	Request for revision in definition of Capacity Addition for renewable energy projects	New/revised approach for emission reduction calculations	Revision suggests revising the definition for capacity addition and related monitoring parameters.	No
AM_REV_0027	Approach for the exclusion of immaterial parts of a multinational grid	Editorial revision to existing definition	Revision suggests revising the definition for connected electricity system.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0122	Consideration of existing units' electricity generation in the baseline	New/revised approach for emission reduction calculations	Revision is to ensure that the emission reductions are calculated correctly when methodology is applied to projects that increase the generation capacity at an existing renewable generation facility when the existing units continue to operate and the configuration permits their generation to be measured separately.	No
AM_REV_0128	Project emissions on account of fossil fuel used in the solar thermal power plant for augmentation of steam temperature for power generation.	New/revised approach for emission reduction calculations	Revision is requested to include the project emissions from fossil fuel used for solar thermal power generation.	No
AM_REV_0143	Expansion of applicability conditions of ACM0002 to include refurbishment/replacement of operational units and corresponding calculation of baseline emissions. (dealing with replacement activities)	New/revised applicability condition(s)	The request for revision is based on the recommendation from the Methodologies Panel (MP) (CLA_130) to incorporate refurbishments and replacements into the methodology.	No
AM_REV_0144	Expansion of applicability conditions of ACM0002 to include refurbishment/replacement of facilities affected by negative long term alterations. (dealing with refurbishment activities)	New/revised applicability condition(s)	The request for revision is based on the recommendation from the MP (CLA_130) to incorporate refurbishments and replacements into the methodology.	No
AM_REV_0054	Extended applicability of methodology ACM0003 to include partial substitution of fossil fuels with less carbon intensive fossil fuels in cement manufacture	New project type	Revision is proposed to include project cases aiming to reduce emissions through partial substitution of fossil fuels with less carbon-intensive fossil fuels in cement manufacture.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0055	The proposed revised methodology will expand ACM0003 version 04 scope to include projects that source biomass from dedicated plantations as an alternative fuel	New project type	Revision is proposed to include an applicability condition to limit the use of methodology where biomass is sourced from dedicated plantation where there are no natural forests in the country.	Yes, information on how the project activity will not cause any deforestation in the country when the project area was used as crop land.
AM_REV_0206	Emissions reduction through partial substitution of fossil fuels with alternative fuels or less carbon intensive fuels in cement manufacture	New project type	Revision is aimed at expanding the applicability and scope of this methodology to project activities in the lime industry, based on the similarities in the pyro-process for limestone decarbonization, fuel feeding system and carbon dioxide (CO ₂) emissions.	No
AM_REV_0033	To revise ACM0004 taking account of fossil fuel and waste heat recovery boilers supplying one turbine generator. This has been proposed as the measurement of the calorific value of waste heat gases is not possible.	New/revised approach for emission reduction calculations	Revision is proposed to use apportioning of electricity generation on the basis of steam generation as measurement of calorific value of waste heat is not always possible.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0213	Consolidated Baseline Methodology for Increasing the Blend in Cement Production	New/revised approach for emission reduction calculations	Revision aimed at expanding the applicability of the methodology to greenfield cement plants.	Yes, Information on following issues i.e. requested from PP: (i) how to assess a benchmark for the blending in cement, taking into consideration imports; (ii) monitoring of parameters; and (iii) adjustment of algorithms.
AM_REV_0199	Revision of ACM0006 to include biogas from anaerobic wastewater treatment	New project type	Revision of ACM0006 to include biogas from anaerobic wastewater treatment.	No
AM_REV_0183	Propose a new scenario (scenario 23) to include the situation which less biomass is used than the project scenario.	New project type	Revision aimed at proposing a new scenario to include the situation where biomass is used other than in project scenario.	No
AM_REV_0196	Expansion of ACM0006 to include a new scenario	New project type	Revision proposes the amendment of the methodology, with the objective of making it applicable to common project activities that mainly comprise the installation of a new grid-connected biomass-residue-fired cogeneration plant to displace the power that would otherwise be generated by a new or existing grid-connected fossil-fuel-fired power plant or, ultimately, in the grid.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0212	Inclusion of mechanical and other forms of power in the methodology	Editorial revision to existing definition	Revision proposes a few necessary editorial modifications in order to recover the methodology's applicability for Brazilian project activities.	Yes, information on issues concerning expanding the applicability of the methodology to include mechanical power
AM_REV_0044	New scenario for energy efficiency projects	New project type	The request for revision proposes to amend ACM0006 with a new scenario for energy efficiency projects.	No
AM_REV_0047	Request to include biomass project supplying power and heat directly to the user instead of electricity grid	New project type	Revision aimed at proposing a new scenario to include greenfield project activities that utilizes various types of biomass in the baseline scenario for captive power and heat generation.	No
AM_REV_0118	Inclusion of a new scenario for project activities that are a combination of energy efficiency, capacity expansion and fossil fuel substitution	New project type	Revision proposes to include Inclusion of a new scenario for project activities that are a combination of energy efficiency, capacity expansion and fossil fuel substitution.	No
AM_REV_0145	Propose a new scenario (scenario 22) to include the situation in which biomass residues and fossil fuels are used in the baseline scenario.	New project type	Revision proposes a new scenario (scenario 22) to include the situation in which biomass residues and fossil fuels are used in the baseline scenario.	No
AM_REV_0169	Amplification of applicability by the addition of a new project scenario based on a new combination of the existing alternative baseline scenarios	New project type	Revision proposes to add a new project scenario based on a new combination of the existing alternative baseline scenarios.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0177	Inclusion of a new scenario for biomass residue based project activities which use fossil fuels during non- availability of the biomass residues, through the inclusion of new alternatives for power and heat (P12 and H11)	New project type	Revision proposes to include a new scenario for biomass-residue-based project activities which use fossil fuels during non-availability of the biomass residues, through the inclusion of new alternatives for power and heat.	No
AM_REV_0180	Expansion of ACM0006 to include a new scenario for fuel switch project	New project type	Revision proposes to include a new scenario for fuel switch project.	Yes, further information regarding the following issues were requested: (i) baseline scenario for various combinations of power and heat; and (ii) emission reduction equations for these combinations
AM_REV_0037	Redefine the Single cycle to combined cycle definition as to utilize previously-unused waste heat from an engine in a power plant, with a single-cycle capacity, and utilize the heat to produce steam for a turbine – thus making the system combined-cycle	New/revised applicability condition(s)	Revision proposes to redefine the single cycle to combined cycle definition so as to utilize previously unused waste heat from an engine in a power plant, with a single-cycle capacity, and utilize the heat to produce steam for a turbine, thus making the system combined-cycle.	No
AM_REV_0185	Capture and destruction of methane from an opencast coal	New/revised applicability condition(s)	Revision is sought to include coal bed methane capture from opencast mines in the project activity applicability (opencast mines are currently excluded).	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0242	Inclusion of greenfield projects in the applicability criteria	New project type	Revision proposed to expand applicability of the methodology to greenfield projects.	No
AM_REV_0157	The applicability of the methodology has been expanded to accommodate the usage of waste energy for supply of heat of reaction with or without process heating	New project type	Revision expands applicability of the methodology to accommodate the use of waste energy for supply of heat of reaction with or without process heating.	No
AM_REV_0201	The aim of this request for revision of an approved methodology is to allow its use to a project where the wastewater is dewatered and subsequently directed to land application	New project type	Revision proposed to expand the methodology to project activities where the wastewater is dewatered and subsequently directed to land application.	No
AM_REV_0184	Possibility to include wastewater solids that are separated from the wastewater to prevent open lagoon clogging and therefore can have a different baseline, in a scenario 1 type anaerobic digester wastewater treatment project	New/revised applicability condition(s)	Revision to amend Scenario 1 of the methodology ACM0014 to include project activities that combine the use of solid materials separated from wastewater and wastewater in a newly built anaerobic digester system for industrial wastewater treatment.	No
AM_REV_0133	Revision is proposed to modify the applicability conditions of the availability of alternative material for clinker manufacturing in order to improve the use of the amount of AMC that in project activity conditions shall be stored or not be used in any case	New/revised applicability condition(s)	The purpose of the revision is the modification of the applicability conditions of availability of alternative material for clinker manufacturing.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0179	Clarification with regards to the applicability of the methodology to greenfield plants and modification of the equations (4) and (13) to have consistent units of parameters	New/revised applicability condition(s)	The revision is requested to: 1. Clarify the applicability of the methodology to greenfield projects; 2. Modify equations (4) and (13) to have consistent units of parameter; 3. Modify the region definition; 4. Change some parameter definitions to make them clearer; 5. Combine the electricity consumption parameters for the different steps of the clinker production; 6. Change equation (16) and (18) and the definition of the parameter $LE_{Cto,y}$.	No
AM_REV_0192	Revision of Common Practice Analysis	Revision to additionality demonstration	Revision requested for the requirements under common practice analysis required for additionality demonstration.	No
AM_REV_0198	Revision of ACM0018 to include CO ₂ emissions from energy consumption for mechanical treatment of the biomass residues in Project Emissions	New/revised approach for emission reduction calculations	Revision includes CO ₂ emissions from energy consumption for mechanical treatment of the biomass residues in project emissions.	No
AM_REV_0227	Revision of project emissions calculation	New/revised approach for emission reduction calculations	Revision proposed to project emissions calculation.	No
AM_REV_0253	The balance method for the measurement of FCCj (Fraction of total carbon content in waste type j) and FFCj (Fraction of fossil carbon in total content of waste type j)	New/revised approach for emission reduction calculations	Revision proposed to include balance method into the eligible list of the measurement of FFCj and FCCj.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0109	AM0009 v3-rev "Recovery and utilization of gas from oil wells that would otherwise be flared or vented"	New project type	Revision addresses the following issues: 1. Extend the scope of AM0009 version 03 by adding low-pressure gas coming to the surface from gas-lift systems to baseline emissions; 2. Extend the scope of AM0009 version 03 by including the situations when the recovered gas is mixed with gas from other oil wells prior to being delivered to the gas processing facilities and to transmission pipelines; 3. Include methane emissions from gas venting into the baseline scenario; 4. Correct Equation 3.	No
AM_REV_0217	Partial utilization of the recovered associated gas and/or gas-lift gas as one of the possible baseline scenarios	New/revised applicability condition(s)	Revision request is to expand the applicability of the approved methodology AM0009 to project activities in which the associated gas and/or gas-lift gas is partially recovered and utilized before the project activity, as is the case of the above indicated project activity.	No
AM_REV_0218	Inclusion of prior processing with mobile facilities and transport CNG to gas pipeline in AM0009	New project type	Revision includes prior processing with mobile facilities and transporting compressed natural gas (CNG) to gas pipeline.	
AM_REV_0219	Revision of AM0009 to expand its applicability to project activities which recovered gas is first compressed to CNG, then transported via trailers or carriers, and later decompressed and gasified again, before it finally enters the gas pipelines to end-users.	New/revised applicability condition(s)	Revision proposes amendment of the methodology to include project activities whose recovered gas is first compressed to CNG, then transported via trailers or carriers, and later decompressed and gasified again, before it finally enters the gas pipelines to end-users.	No
AM_REV_0036	Revision to include a project that displaces a fuel other than natural gas and to allow the use of the tool for demonstration and assessment of additionality	New project type	Revision to include a project that displaces a fuel other than natural gas and to allow the use of the tool for demonstration and assessment of additionality.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0038	Propose the use of the latest version of the "Tool for demonstration and assessment of additionality" as an option of the additionality test	Revision to additionality demonstration	Revision proposed to use "Tool for demonstration and assessment of additionality" for additionality demonstration.	No
AM_REV_0051	Revision is proposed to include project that displaces fossil fuel based systems in the baseline generating electricity / power other than Grid based power	New project type	Revision proposed to expand applicability to project activities that displace fossil-fuel-based systems in the baseline generating electricity / power other than grid-based power.	No
AM_REV_0042	Clarification on Inclusion of Distribution System Above Ground Equipment in AM0023	New/revised applicability condition(s)	Include other types of methane transport surface facilities besides compressor and gate stations.	No
AM_REV_0101	Revision of MSW incineration section of AM0025 regarding applicability and calculation of emission reductions	New/revised applicability condition(s)	The revision addresses applicability and emission reductions calculation of municipal solid waste (MSW) incineration section of the methodology.	No
AM_REV_0189	Co-firing of stabilized biomass from industry with fossil fuel for heat/electricity generation	New/revised applicability condition(s)	Revision addresses co-firing of industrial stabilized biomass with fossil fuel for generation of heat/electricity.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0226	AM0025, Avoided emissions from organic waste through alternative waste treatment processes version 12.0	New/revised applicability condition(s)	<p>The request for revision proposes:</p> <ol style="list-style-type: none"> 1. To expand the applicability of the methodology to cases in which the residual waste after the gasification of MSW is used as raw material for clinker production; 2. Leakage emissions should be estimated using equations 32 and 33 of AM0025 version 12 for cases where the residual waste is used as raw material of the clinker production; this is consistent with the calculation of leakage emissions from the residual waste from MSW incineration; 3. That the net quantity of thermal energy supplied by the project activity (Q_y) is measured (as stated in monitoring tables): <ul style="list-style-type: none"> - For cases using steam meter: the enthalpy of steam and feed water will be determined at the measured temperature and pressure and the enthalpy difference will be multiplied with quantity measured by steam meter; - For cases using hot air: the temperature, pressure and mass flow rate will be measured. 	No
AM_REV_0202	Revision of AM0028 to expand applicability to thermal decomposition of N_2O version 05	New/revised applicability condition(s)	Revision proposes the amendment of the approved methodology AM0028, version 05, in order to accommodate nitrous oxide (N_2O) destruction project activities employing thermal decomposition in conjunction with a selective non-catalytic reduction (SNCR) equipment to reduce NO_x emissions.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0147	Revision to expand applicability to Caprolactam plants using the HPO® process	New/revised applicability condition(s)	Revision to expand applicability to Caprolactam plants using the HPO® process and also impose two baseline capping methods according to on-site production of nitrous oxide.	No
AM_REV_0127	Adaption of AM0030 to newly available data provided by the most recent IAI Survey	Editorial revision to suggest use of recent data	Revision suggests using most recent data available from survey to calculate emission reductions.	No
AM_REV_0200	Expansion of applicability conditions	New/revised applicability condition(s)	Expand the applicability condition so that gaseous fuels can be used if the quantity of gaseous fuel used in a project is more than in the baseline.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0114	Expansion of applicability conditions to AM0031 and subsequent change/addition of corresponding formulas.	New project type	<p>The request for revision seeks the following amendments to the methodology:</p> <ol style="list-style-type: none"> 1. Expand the applicability of the methodology to allow the use of electricity as fuel, e.g. for trolleybuses either in the baseline or in the project case; 2. Expand the applicability of the methodology to allow the existence of a complementary rail-based transport system which was operating before the implementation of the project activity and continues to operate after the implementation of the project activity, e.g. trams which existed in the baseline and continue to operate in coordination with the BRT. The request is not intended to expand the applicability of the methodology to the construction of new rail-based transit systems; 3. Expand the applicability of the methodology to cases where use of biofuels in the public transport systems is not limited. Currently, the methodology imposes a limit of less than 3% blend for the use of biofuels. The request is not intended to expand the applicability of the methodology to project activities that involve additional use of biofuels and claim emissions reductions for that. The objective is to remove the current restriction to broaden the applicability of the methodology. A conservative approach is suggested to calculate emissions; 4. Adaptation of the default technology improvement factor for buses according to age for the calculation of baseline emissions; 5. Correction of equation 22. 	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0142	Expansion of applicability conditions to AM0031 and subsequent change/addition of corresponding formulas	New project type	<p>The request for revision seeks the following amendments to the methodology:</p> <ol style="list-style-type: none"> 1. Expand the applicability of the methodology to allow the use of electricity as fuel, e.g. for trolleybuses either in the baseline or in the project case; 2. Expand the applicability of the methodology to allow the existence of a complementary rail-based transport system which was operating before the implementation of the project activity and continues to operate after the implementation of the project activity, e.g. trams which existed in the baseline and continue to operate in coordination with the BRT. The request is not intended to expand the applicability of the methodology to the construction of new rail-based transit systems; 3. Expand the applicability of the methodology to cases where use of biofuels in the public transport systems is not limited. Currently, the methodology imposes a limit of less than 3% blend for the use of biofuels. The request is not intended to expand the applicability of the methodology to project activities that involve additional use of biofuels and claim emissions reductions for that. The objective is to remove the current restriction to broaden the applicability of the methodology. A conservative approach is suggested to calculate emissions; 4. Adaptation of the default technology improvement factor for buses according to age for the calculation of baseline emissions; 5. Correction of equation 22. 	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0053	Cement production lines involving switching a part or all of the raw material used for clinker production to calcium carbide residue, a non-carbonated calcium source	New project type	The request for revision proposes to include switching of a part or all of the raw material used for clinker production to calcium carbide residue (CCR), a non-carbonated calcium source.	No
AM_REV_0235	Revision of AM 0035 on the applicability and baseline methodology for the existing recycling activity	New/revised applicability condition(s)	Revision seeks to allow the following situations in the methodology: 1. Enhancement of sulphur hexafluoride (SF ₆) recovery in situations where there are already some recovery activities in place. Regardless of the existence of a recovery activity, adopting the high-efficiency gas recovery device is in line with the purpose of the CDM project, which is to reduce the emission of greenhouse gases; 2. Incorporate procedures to determine the baseline emissions in case of lack of historical information; 3. Allow to include as project activity the recycling of SF ₆ during routine inspection.	No
AM_REV_0211	Extending the applicability from SiMn production to FeSi production and other silicon- and ferro alloys.	New/revised applicability condition(s)	Revision seeks to broaden the applicability conditions, so that the emission reductions can be claimed for submerged electrical arc furnaces used for the production of other alloys.	No
AM_REV_0049	Amendment to include production of biodiesel based on waste oils and fats from biogenic origin other than waste cooking oil	New/revised applicability condition(s)	Revision proposes to include production of biodiesel based on waste oils and fats from biogenic origin other than waste cooking oil.	No
AM_REV_0070	Production of biodiesel from waste oils and/or waste fats from biogenic origin and/or biodiesel from oil seeds grown on unutilised or marginal lands which had uneconomical agricultural productivity (if any)	New project type	Revision to broaden applicability of methodology to allow project activities which produce biodiesel from oil seeds grown on unutilized or marginal lands with uneconomical agricultural productivity.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0071	"Production of biodiesel based on waste oils and/or waste fats from biogenic origin and/or oil from oilseeds for use as fuel"	New/revised applicability condition(s)	The proposed revision is to broaden the applicability of the methodology AM0047 to cases where the biodiesel is produced from oil seeds from a plantation that must be a registered afforestation/reforestation CDM project.	No
AM_REV_0236	Revision of AM0050 to expand its applicability of the situations where it is presently not applicable	New/revised applicability condition(s)	The request for revision is aimed at: 1. Expanding the applicability of the methodology to other GHG-intensive hydrocarbon feedstock in the baseline; 2. Increasing in production up to +10% of the existing capacity (due to line balancing after the change in feedstock); 3. Changing in quantity of steam and electricity required for the ammonia production process (change in feedstock changes other equipment which affects the steam and electricity requirement).	No
AM_REV_0239	The new version includes an expansion of the biogas upgrading technologies to which the methodology is applicable	New/revised applicability condition(s)	Expand the methodology to biogas upgrading technologies to which the methodology is applicable.	No
AM_REV_0064	Revision to AM0057 to allow application of the methodology to project activities which use agricultural residues in the production of bio-oil (but without claiming CERs for the use of the bio-oil)	New project type	Expand the methodology to project activities which use agricultural residues in the production of bio-oil.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0102	Expand applicability by applying five changes	New/revised applicability condition(s)	<p>Revision proposes to:</p> <ol style="list-style-type: none"> 1. Allow projects where heat is generated by a backpressure cogeneration plant; 2. Allow the baseline of a boiler supplying heat to only one building; 3. Allow projects where three years' historical data on electricity generation are not available. Project proponents also want the MP to allow the claim for the emission reduction for the cases where power plant historically operated under-loaded and will perform at optimal or higher load after start of project activity. They have given the example of an approach to be followed in line with approved methodologies AM0061 and AM0062; 4. Allow projects where heat is also used for production processes in industry; 5. Take into account the replacement of "existing buildings" in the baseline emissions calculation. <p>So that new district heating projects can apply this methodology.</p>	No
AM_REV_0083	Expansion of the nameplate power generation capacity limit through a project activity, and inclusion of repowering measures into the scope of the methodology.	New/revised applicability condition(s)	Expand the applicability of the methodology to repowering of existing power plants, i.e. to include project activities that implement measures in an existing power plant, whose performance has deteriorated over the years, with the purpose of upgrading its performance and incrementally increasing the nameplate capacity, without adding new generating units. Also proposed to increase the cap for the installed power generation capacity of the power plant from 5% to 20%.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0193	The correction regarding the calculation of parameter EF for AM0062	New/revised approach for emission reduction calculations	Revision sought to equation 7 of the methodology to calculate the emission reductions.	No
AM_REV_0197	Revision of AM0063 for applicability to new industrial facilities/integrated complex	New project type	Expand the applicability of the methodology to new integrated industrial facilities recovering CO ₂ from the intermediate gas and reducing emissions associated with CO ₂ production in other conventional CO ₂ production facilities.	No
AM_REV_0123	Revision of certain equations of AM0066 version 01 and determining auxiliary power consumption for individual kilns based on their proportion of output.	New/revised approach for emission reduction calculations	Suggested revision to equations used for project-specific energy consumption and alternative approach suggested for calculating auxiliary power consumption.	No
AM_REV_0190	Revision to facilitate the calculation of benchmarks based on data available to PPs and definition of default values	New/revised approach for emission reduction calculations	Revision aimed at: (i) revising the procedures to calculate market benchmark by allowing the use of available data to determine market benchmark; (ii) providing default factors to simplify the calculation of the adjusted volume; and (iii) addressing other minor editorial changes.	No
AM_REV_0178	Expansion of applicability conditions of NM0071 to cover small commercial refrigeration appliances	New project type	Expand the applicability conditions to cover small commercial refrigeration appliances in addition to domestic refrigeration appliances.	No

Revision number	Title of submission	Category of revision	Proposed changes	Additional information requested
AM_REV_0223	Revision of baseline methodology procedure in order to broaden the methodology's scope and applicability	New/revised applicability condition(s)	The request for revision seeks to broaden the applicability of the methodology by: 1. Including the barrier analysis in the additionality assessment procedure, to be used as an alternative to the benchmark investment analysis; 2. Allowing for the use of technology-based industry benchmarks for the financial indicator of alternative investments (options), as an alternative to calculating the financial indicator based on plant-specific financial analysis of options.	No
AM_REV_0159	Revision of the equation for PERCL,y and the Default decision-making flowchart	Editorial revision to equations for calculations of project emissions	Revision proposes editorial corrections in equations for project emission calculations.	No
AM_REV_0247	In the methodology AM0084 Version 01 there are few corrections in terms of including appropriate notations wherever they are applicable and also inclusion of mathematical equations for the estimation of baseline emissions which are missing in the approved methodology. There are few typographical errors which are also taken into consideration by the project proponent in this submission of the revised methodology.	Editorial revision in terms of including appropriate notations, inclusion of mathematical equations for baseline emission calculations	Revision proposes editorial corrections in equations for project emission calculations.	No

Appendix 3. Analysis of requests for revision to small-scale methodologies and accompanying PDDs

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_250	Revision of AMS-III.B to include multiple fossil fuel switch	New/revised applicability condition(s)	The recommended revision broadens the applicability of the methodology by including options to consider multiple fuel use in the baseline and the project case as well as grid electricity use/displacement.	No	No
SSC_253	Revision of AMS-III.N to include Integral skin type PUF in existing manufacturing facilities using HFC based blowing agents	New/revised applicability condition(s)	The revision expands the applicability of the methodology to include integral skin type of polyurethane foam (PUF) that uses hydrofluorocarbon (HFC) refrigerants in existing facilities.	No	No
SSC_288	Proposal on emission reduction calculation for higher wattage CFLs in AMS-II.J	New/revised applicability condition(s)	Expanded lumen output provisions to cover compact fluorescent lamps (CFLs) with higher lumen output.	No	No
SSC_289	Addressing overlap between NTG and BP, and use of ex post surveys to adjust LFR	Editorial revision to the approach for emission reduction calculations	Eliminates overlap between net to gross and BP (by removing the BP discounting on CPA level) and corrects the inconsistency for ex post adjustment of Lamp Failure Rate which corrects the emission reduction calculations.	No	No

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_291	Revision of methane producing capacity factor of waste water (B0,ww) in AMS-III.H	New/revised approach for emission reduction calculations	Include additional guidance on the use of methane generation potential based on Biochemical Oxygen Demand.	No	No
SSC_294	Revision regarding calculation of project methane emissions during composting in AMS-III.F	New/revised approach for emission reduction calculations	To provide calculations of project emissions from composting based on the specific composting technologies and respective monitoring for anaerobic conditions.	No	No
SSC_297	Revision of AMS-III.Z regarding demonstration of abundance of raw materials and quality of bricks	New/revised applicability condition(s)	Requirements of testing the performance of bricks based on national standard by approved laboratories at six-month intervals.	No	No
SSC_298	Revision to remove FaL-G technology-based brick manufacturing project activity from the scope of AMS III.Z	New/revised applicability condition(s)	Exclude FaL-G technology (cement-gypsum) from AMS-III.Z and keep it under AMS-II.D. Provide flexibility for testing the bricks produced.	No	No
SSC_310	Revision of AMS-II.A for project activities with no national/international standards available	New/revised approach for emission reduction calculations	Include an option to determine technical energy losses in radial electricity distribution system using a scientific methodology in guidelines/procedure adopted by government/national agency.	No	Methodology approach developed by Rural Electrification Corporation for calculation of technical loss reduction

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_311	Revision of AMS-II.C for project activity involving multiple equipment operating as a single system	New project type	Clarify the consideration of increased output over the historic average and boundary definition. Including an option for Baseline Emissions using specific energy consumption approach.	No	Diagramic representation of the pumping system and water intervention.
SSC_313	Revision of methane producing capacity factor of wastewater in AMS-III.I	New/revised approach for emission reduction calculations	Upgrade the methane producing capacity of industrial wastewater.	No	No
SSC_315	Request for revision on the monitoring of electricity in AMS-I.D	New/revised approach for emission reduction calculations	Include guidance on monitoring the electricity supplied to the grid.	No	No
SSC_355	Revision of AMS-II.D to allow its applicability to project activities involving multiple industrial facilities	New project type	Expand the applicability to include multiple energy efficiency measures in industrial facilities.	No	No
SSC_358	Revision of AMS-I.C to include additional baseline scenario(s) for cogeneration	New project type	Expand the applicability of the methodology to biomass-based cogeneration activities supplying surplus electricity to the grid.	No	No
SSC_384	Proposal to review the condition (c) of the SSC methodology regarding the storage time of the manure after removal from the animal barns	New/revised approach for emission reduction calculations	Include methods to account for project emissions from storage of manure before treatment.	No	No

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_385	Request to extend the applicability of AMS-III.Z to low carbon fossil fuels	New project type	Expand applicability to project activities involving complete or partial fuel switch from high carbon-intensive fuel to low carbon-intensive fuel in brick production.	No	No
SSC_387	Revision of AMS-III.AG to include non-element processes and to allow for greenfield/capacity increase project activities	New project type	Broaden applicability to greenfield and capacity expansion and to include non-element processes (engines with heat recovery) if Emission Reduction are claimed for one output. Provide definition of natural gas.	Yes – description of the project activity	Justifications on the Project Activity and explanation on non-element process
SSC_432	Revision to include a stepwise procedure on baseline efficiency determination for a new cogeneration system	New/revised approach for emission reduction calculations	Include a procedure for determining baseline efficiency for a new cogeneration system.	No	No
SSC_445	Revision of ASM-III.F for co-digestion of biomass waste and wastewater	New project type	Expand applicability to include aerobic controlled biological treatment of biomass, i.e. composting/co-composting.	No	No
SSC_447	Expanding the applicability of AMS-III.X	New project type	The requirement to conclude installations within the first year is removed. Applicability is expanded to allow projects that do not claim Emission Reduction for recovering HFC.	No	No

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_461	Revision of AMS-III.F to include use of biogas through delivery to sale points and alternative method for baseline calculation	New project type	Provide reference to other biogas recovery methodologies in AMS-III.H. Include baseline emission calculations based on measurement of manure quality and specific volatile solids in AMS-III.D. Deconsolidated AMS-III.F to composting only and include controlled anaerobic digestion/co-digestion in AMS-III.AO.	No	No
SSC_498	Revision of AMS-III.AJ to allow for inclusion of PET and also inclusion of project activities where plastics are transported over 200km	New project type	Expanded applicability to include Polyethylene Terephthalate (PET) recovered from municipal solid waste.	No	Provided justifications and references to the proposed default value for PET
SSC_515	Revision of AMS-III.Q to cover project activities with multiple waste heat sources and combined cycle component	New project type	Expanded applicability to cover project activity with multiple fuel and waste heat sources. Reference provided to AMS-III.AL.	PDD provided on request	No
SSC_529	Revision of AMS-I.I regarding the measurement of fossil fuel consumption	Editorial revision to monitoring requirements	Monitoring requirements revision to provide simplified approach for fossil fuel use measurement.	No	No

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_532	Revision of AMS-I.C to include additional baseline scenario for a new cogeneration project	New/revised approach for emission reduction calculations	Expansion of a baseline scenario for cogeneration project activity.	No	Justifications on the proposed revisions. Information on how compliance with meeting the same service level will be met. Further information on baseline scenario identification.
SSC_544	Revision of AMS-III.G to integrate SSC_389 and ensure consistency with other methodologies	New project type	Expanded applicability to cover more types of gainful use of landfill gas (in line with AMS-III.H).	No	No
SSC_561	Revision of AMS-III.K to cover the upgrade of open-ended charcoal production facilities and capacity additions	New project type	Expand the applicability to retrofit of existing facility.	No	No
SSC_572	Revision of AMS-III.K to allow for indirect determination of fugitive project emissions	New/revised approach for emission reduction calculations	Provide project emission calculation for emissions from inefficient flaring.	No	No
SSC_577	Revision of AMS-I.C/I.D/I.F for PoA involving biomass sourced from dedicated plantations	New/revised applicability condition(s)	Revision to applicability condition for biomass from dedicated plantation under AMS-I.C, AMS-I.D, AMS-I.F.	No	No

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_584	Revision of AMS-III.B to include alternative approaches to estimate energy input in baseline and project	New/revised applicability condition(s)	Simplification of applicability conditions for project activity where the energy output cannot be measured directly. Baseline emission estimation based on energy input. Monitoring simplification.	PDD info available (PDD/PoA-DD published)	No
SSC_585	Revision of AMS-III.AT to include passenger vehicles	New project type	Expand the applicability to passenger vehicles with digital tachograph systems.	No	No
SSC_588	Revision of AMS-II.L to cover street lighting in Industrial Zones	New project type	Clarified applicability to cover privately owned lighting systems.	No	No
SSC_591	Revision of AMS-I.D for replacement projects and projects supplying electricity to users via grid	Editorial revision to monitoring parameters	Editorial revision of typographical errors pointed out by the author on the notation of the parameters.	No	No
SSC_594	Revision of AMS-III.Y to estimate project emissions from enteric fermentation and manure when the separated solids are used as animal feeds	New/revised approach for emission reduction calculations	Procedure to estimate project emissions from enteric fermentation and manure when the separation of solids is used as animal feed. Determination of baseline emission.	Yes	No
SSC_600	Revision of AMS-III.AU concerning the element "guidance for and control of efficient fertilization"	New/revised applicability condition(s)	Revision of applicability conditions to elaborate procedure on efficient fertilization.	No	Justification on the method for determining efficient fertilization
SSC_602	Revision of AMS-III.C to include options to establish baseline for public transport system	New/revised approach for emission reduction calculations	Alternative approach for calculating emission reductions per passenger under AMS-III.C.	No	Sample emission reductions calculations using the proposed approach

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_605	Revision of AMS-I.A to cover project activity involving partial displacement of fossil fuel consumption	New project type	Expand applicability to project activity with access to grid which is not reliable.	Yes	No
SSC_608	Revision of AMS-II.K to include the use of chillers with GWP refrigerants	New project type	Broaden the applicability to include chillers with GWP refrigerants but no ozone depletion potential. New PE calculation procedure to account for GWP refrigerants.	No	Justifications on the approach for project emission calculations. Description of the project activity.
SSC_614	Revision of AMS-III.F for consideration of suppressed demand	New/revised applicability condition(s)	Additional applicability conditions for MSW. Baseline scenario for suppressed demand for municipal solid waste.	No	No
SSC_618	Revision of AMS-III.Z to expand its applicability for complete switch from fossil fuel to renewable biomass	New/revised applicability condition(s)	Expand applicability for a complete/partial switch from fossil fuel to renewable biomass.	No	No
SSC_623	Revision of AMS-III.AR to allow exemptions for battery certification requirements	New/revised applicability condition(s)	Revised applicability condition to exempt battery certification requirements for systems charged by renewable energy sources.	No	No
SSC_640	Revision of AMS-III.AJ to cover Polypropylene	New project type	Expands the applicability to project activities for recovery and recycling of polypropylene.	No	No
SSC_644	Revision of III.AV to include alternative water quality standard and expand the applicability to different household water treatment technologies	New project type	Expand the applicability to various water treatment systems.	No	No

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_649	Revision of AMS-III.S to clarify the applicability, project boundary, baseline determination and leakage	New/revised applicability condition(s)	Revise applicability condition on fixed route. Baseline procedure for estimation fuel consumption for non-conventional vehicles. Removing scrapping requirements baseline emission estimation based on passengers only	No	No
SSC_654	Revision of AMS-II.G to include monitoring requirements for replaced project technologies	New/revised approach for emission reduction calculations	Relaxing monitoring on the efficiency of cookstoves. New procedure for estimating baseline emission based on energy output. Quantification of charcoal use.	No	No
SSC_671	Revision of calculations to include multiple types of cook stoves under AMS-II.G	Editorial changes to baseline parameters	Revised nominators of baseline parameters. Clarified that the woody biomass consumption is per device in cases where multiple cookstove types are used.	No	Information on different technology types. Justifications for proposed calculations.
SSC_687	Revision of AMS-III.BC to include engine efficiency improvement that also improve combustion efficiency of the vehicle	New project type	Expand applicability to technologies that improve efficiency and combustion efficiency of the vehicle.	Yes, PoA-DD	No
SSC_700	Revision to AMS-I.C to include biomass-based trigeneration systems	New project type	To include biomass-based trigeneration system.	Yes	No
SSC_702	Revision of AMS-I.L to further clarify monitoring requirements and baseline calculations for mini-grid system	New/revised approach for emission reduction calculations	Include baseline procedure and monitoring requirements for renewable based mini-grid.	Yes	No

Revision number	Title of submission	Category of revision	Proposed changes	PDD provided	Additional information requested
SSC_704	Revision of AMS-III.BG for the production of charcoal in micro gasifier stoves at the household level	New project type	Includes expanded applicability to charcoal produced as a by-product in micro-gasifier wood stoves in household.	Yes	No
SSC_706	Revision to expand the applicability of AMS-III.AQ to cover the use of the Bio-CNG in modified diesel vehicles and the supply of Bio-CNG to natural gas network and end-users	New project type	Expanded applicability to use Bio-CNG in modified diesel vehicles and to supply Bio-CNG to natural gas network and users.	Yes	No
SSC_712	Revision of AMS-III.C to include electricity service providers to claim emission reductions and give two more options to determined specific fuel consumption for baseline vehicles	New project type	To expand applicability by including vehicle charging stations to claim emission reductions and add options for determining specific fuel consumption of baseline vehicles.	Yes	No
SSC_714	Revision of AMS-III.BB to simplify monitoring for electrification of communities through grid extension using pre-paid or flat-rate connections	New/revised approach for emission reduction calculations	Simplifies monitoring procedure for consumers under grid extensions.	Yes	No
SSC_715	Electrification of rural communities using renewable energy to allow increased flexibility to determine system availability factor for solar PV systems	New/revised approach for emission reduction calculations	Further options to determine the average value of availability for solar photovoltaic (PV) systems.	Yes	No

Appendix 4. Review of clarification requests that triggered revision to large-scale methodologies

Clarification number	Title of submission	Recommendation by Methodologies Panel	Request to clarify
AM_CLA_0244	Request for clarification on the applicability of the Methodology ACM0001 to project types that supply compressed LFG by trucks to end-users (14 Dec 12 at 23:27)	Requested PP to submit request for revision	Applicability condition
AM_CLA_0252	Clarification for the ex post determination of FCH ₄ , EL _y by taking into account particular monitoring requirements as defined in item “33 a)” of ACM0001 version 15	Requested PP to submit request for revision	Monitoring requirements
AM_CLA_0259	Applicability of the oxidation factor for ex ante baseline emissions calculation	Agreed to reflect response to clarification in a future revision of the methodology	Emission reduction calculation approach
AM_CLA_0254	Applicability of ACM0002 to existing hydropower plants increasing electricity generation through the construction of a new reservoir	Encouraged PP to submit request for revision	Applicability condition
AM_CLA_0169	Clarification on applicability conditions of ACM0002 version 10	PP may wish to submit a request for revision	Applicability condition and Baseline scenario
AM_CLA_0181	Applicability of ACM0002 to hydropower plants increasing power output through control and removal of the sedimentation accumulating in existing reservoirs	Encouraged PP to submit request for revision	Applicability condition and emission reduction calculation approach
AM_CLA_0215	Definition of an existing reservoir	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0247	Clarification on the applicability of ACM0002 version 13.0.0 to a hydropower project activity	Agreed to request a mandate from the Board to revise the methodology	Applicability condition
AM_CLA_0206	Use of Wood (non- residue biomass)	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0147	Clarification on definition of supply side energy efficiency and use of Scenario 11	Encouraged PP to submit request for revision	Applicability condition

Clarification number	Title of submission	Recommendation by Methodologies Panel	Request to clarify
AM_CLA_0155	Project specific formula used for emission reduction calculation instead of one given in approved consolidated methodology ACM0006 version 04	PP may wish to submit a request for revision	Emission reduction calculation approach
AM_CLA_0160	Definition of a reference plant in scenarios 4 and 18	Encouraged PP to submit request for revision	Baseline scenario
AM_CLA_0238	Clarification on applicability criteria regarding baseline data, multiple project units and interconnection with the grid	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0231	Clarification Requested	Agreed to reflect response to clarification in a revised version the methodology	Emission reduction calculation approach
AM_CLA_0262	Monitoring of εproject,i in case of application of Option D as per ACM0009 version 4.0.0 page 6	Agreed to reflect response to clarification in a future revision of the methodology	Emission reduction calculation approach
AM_CLA_0201	Verification of total energy supplied by the generator through summation of electricity received by the recipient plants	Agreed to reflect response to clarification in a revised version the methodology	Monitoring requirements
AM_CLA_0242	Applicability of project specific baseline scenarios stated in ACM00012 version 4	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0166	Clarification on a portion of waste gas captured for heat generation prior to the implementation of the project activity	Encouraged PP to submit request for revision	Applicability condition, project boundary, baseline scenarios and emission reduction calculation approach
AM_CLA_0171	Applicability of the baseline scenario as Coal based Captive Power plant in a green field project in which WHRB and AFBC boiler based power plant are implemented	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0219	Questions on the application of the 'Clarification on the approved consolidated methodology ACM0012 version 03.2 regarding CDM project activities that recover waste energy in greenfield facilities' (EB 61, Annex 5)	Agreed to reflect response to clarification in a future revision of the methodology	Applicability condition, project boundary, and baseline scenarios
AM_CLA_0230	Clarification about project boundary in ACM0012 version 04.0	PP may wish to submit a request for revision	Project boundary

Clarification number	Title of submission	Recommendation by Methodologies Panel	Request to clarify
AM_CLA_0208	Clarification on the determination of reference year v in projects applying ACM0013 version 04.0.0 in China	PP may wish to submit a request for revision	Emission reduction calculation approach
AM_CLA_0140	Clarification on unit balance for Baseline Emission Factor	Agreed to reflect response to clarification in a future revision of the methodology	Emission reduction calculation approach
AM_CLA_0173	Clarification for Computing the emission reductions - Sasan Power Ltd.	Agreed to reflect response to clarification in a future revision of the methodology	Emission reduction calculation approach
AM_CLA_0188	Clarification on the term cogeneration with respect to the benchmark sample group	Agreed to request a mandate from the Board to revise the methodology	Applicability condition, additionality demonstration, baseline scenario and emission reduction calculation approach
AM_CLA_0199	Inquiry regarding the applicability of ACM0014 to a baseline scenario with covered lagoons without biogas recovery	PP may wish to submit a request for revision	Baseline scenario
AM_CLA_0180	Clarification regarding the applicability condition n°5 of ACM0018 version 01 (biomass preparation)	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0255	Revision of emission reduction calculation	PP may wish to submit a request for revision	Emission reduction calculation approach
AM_CLA_0164	Clarification on the operating history applicability condition of AM0001 version 05.2	Agreed to request a mandate from the Board to revise the methodology	Applicability condition
AM_CLA_0159	Clarification on existing leak detection system, definition of leaks and emission reduction calculation	Encouraged PP to submit request for revision	Applicability condition and emission reduction calculation approach
AM_CLA_0143	Definition and applicable extent of MSW among the organic wastes on AM0025 methodology	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0144	Queries on application of AM0025 to projects using specific waste treatment technology w.r.t the issue of residual waste treatment, monitoring of anaerobic conditions and leakage from the digester	PP may wish to submit a request for revision	Applicability condition and emission reduction calculation approach
AM_CLA_0151	Applicability of methodology for PoA and practical issues of RDF production and usage	Encouraged PP to submit request for revision	Applicability to PoA

Clarification number	Title of submission	Recommendation by Methodologies Panel	Request to clarify
AM_CLA_0203	Lack of clarity of applicability of AM0029 version 03 to combined cycle power plants utilising waste heat for public heating	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0184	The applicability of the methodology to the existing recovery activity and only to the distribution part.	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0213	Application of AM0035 in case data does not exist enough	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0220	Clarification about the revision of AM0035 regarding recovery rate improvement of SF ₆	PP may wish to submit a request for revision	Applicability condition and project boundary
AM_CLA_0190	Clarification on the definition of biomass residues in the AM0036 methodology	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0152	Clarification on the applicability for using RDF-RPF as boiler fuels and data requirement at the time of validation	Encouraged PP to submit request for revision	Applicability condition
AM_CLA_0165	Clarification on the applicability of minimum percentage of co-firing fossil-fuels for retrofit boiler projects.	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0177	Question regarding applicability of AM0053 to biogenic methane collected from biodigestion of sewage sludge, in combination with AM0025.	Agreed to reflect response to clarification in a revised version the methodology	Applicability condition
AM_CLA_0146	Request for clarification of the applicability for a extraction-condensing turbine project	Encouraged PP to submit request for revision	Applicability condition
AM_CLA_0182	Inquiries regarding the correct application of AM0058 with respect to baseline identification and determination of additionality	PP may wish to submit a request for revision	Baseline scenario and additionality demonstration
AM_CLA_0236	Clarification requested for 1) Estimation of remaining lifetime; 2) Determination of baseline emissions using project activity power plant	Encouraged PP to submit request for revision	Emission reduction calculation approach
AM_CLA_0157	Clarification regarding: (i) data to calculate market benchmark, (ii) use of aggregate market benchmark value provided by a national entity, (iii) meaning of “end user data” with reference to the “buyer” under monitoring.	Agreed to reflect response to clarification in a future revision of the methodology	Additionality demonstration
AM_CLA_0162	Clarification regarding: (i) eligibility criteria, (ii) new entrants, (iii) criteria for assessing additionality, (iv) ATDmarket under Option B, (v) data to calculate market benchmark, (vi) data to calculate autonomous technical development factor, and (v	PP may wish to submit a request for revision	Applicability condition, additionality demonstration and emission reduction calculation approach

Clarification number	Title of submission	Recommendation by Methodologies Panel	Request to clarify
AM_CLA_0154	Project activity that recovers associated gas from oil wells that would otherwise be flared or vented, processes it to CNG and delivers the CNG by means of CNG mobile units to Greenfield power plant (end-user)	Encouraged PP to submit request for revision	Applicability condition, project boundary
AM_CLA_0145	Clarification on the applicability and data requirement at the time of validation	Agreed to reflect response to clarification in a revised version the methodology	Applicability condition and data requirement
AM_CLA_0258	Request for clarification of an approved methodology: Clarification on the approved methodology AM0087 version 02 regarding applicability for a new Coal Bed Methane based power plant supplying electricity to the grid or a single customer	PP may wish to submit a request for revision	Applicability condition
AM_CLA_0196	Request for clarification regarding the cargo transportation	PP may wish to submit a request for revision	Applicability condition, emission reduction calculation approach
AM_CLA_0239	Request for clarification of an approved methodology: Clarification of the application of equation 2 in the methodology (AM_CLA_0239)	Agreed to reflect response to clarification in a future revision of the methodology	Emission reduction calculation approach

Appendix 5. Review of clarification requests that triggered revision to small-scale methodologies

Clarification number	Title of submission	Recommendation by Small-Scale Working Group	Request to clarify
SSC_261	Applicability of AMS-III.F for project activity involving manure composting	PPs to request revision	Applicability condition
SSC_262	Clarification on AMS-III.Q regarding estimating baseline emissions from thermal energy	Baseline Emission calculation procedure per ACM00012 agreed for next revision of AMS-III.Q	Baseline calculations
SSC_265	Applicability of AMS-I.C for project activity generating heat whose direct measurement is not possible	Estimation of thermal energy output for technologies such as biomass stoves, gasifiers where the direct measurement is not possible	Baseline calculations
SSC_266	Requirement of linear ex ante lamp failure rate of CFLs in AMS-II.J	Assumptions for underestimation of ex ante LFR and ex post monitoring for next revision of AMS-II.J	Baseline parameter of LFR
SSC_267	Applicability of AMS-III.H for greenfield project activity	Revised baseline procedure for greenfield projects	Baseline procedure for Greenfield
SSC_270	Clarification on applicability of AMS-I.C regarding installed capacity limit for project activity with back-up capacity	PPs to request revision	Applicability condition

Clarification number	Title of submission	Recommendation by Small-Scale Working Group	Request to clarify
SSC_273	Applicability of AMS-I.C to cogeneration projects displacing grid electricity and surplus electricity exporting to the grid	Revised applicability regarding the definition of complementary fuel. Additional baseline scenarios for biomass-based heat and/or power generation (including cogeneration) that supply: (a) electricity to grid/displace grid; (b) electricity and/or thermal energy for on-site consumption or other captive use and a combination of these.	Revised applicability baseline scenario and baseline emission (BE) procedure
SSC_274	Clarification on the residence time of the non-soluble part of the organic matter in anaerobic lagoons in AMS-III.H	Minimum requirements regarding sludge removal interval in Baseline anaerobic lagoon are included.	Revised applicability condition
SSC_284	Clarification regarding lumen equivalence table and using information from baseline survey in AMS-II.J	PPs to request revision	Applicability condition
SSC_287	Clarification on emission factor to estimate project methane emissions during composting in AMS-III.F	Procedure for Project Emission from composting	Revised PE calculations
SSC_305	Applicability of AMS-III.D to anaerobic digestion with animal manure and silage in a different location from its origin	Expanded boundary Applicability condition on storage time for manure	Revised boundary Revised applicability condition
SSC_307	Clarification on project activity selling refuse-derived fuel to consumers outside project boundary	PE provisions to neglect transport and auxiliary fuel consumption if the final residual of combustion is sold	Revised Project Emission provisions
SSC_312	Applicability of AMS-I.C to project activity replacing old fossil fuel and biomass boilers with a new biomass boiler	PPs to request revision	Applicability condition

Clarification number	Title of submission	Recommendation by Small-Scale Working Group	Request to clarify
SSC_318	Clarification on determining baseline efficiency for cooking stoves using AMS-I.C	To include procedures for determining the baseline efficiency of small thermal appliances.	Additional baseline procedure
SSC_323	Applicability of AMS-I.D to a small-scale hydro-electric project activity with power density less than 10 W/sq.m	To include procedure for calculating Project Emission relative to power density of Small scale hydropower projects	Additional project emission calculation
SSC_333	Clarification on methane producing capacity (Bo) for industrial wastewater in AMS-III.H	Additional values per IPCC for Bo to be recommended at future revision	Default values for baseline
SSC_339	Clarification on the definition of "appliances" in AMS-I.E	PPs to request revision	Definition of appliances
SSC_342	Clarification about project boundary in the application of AMS-III.B	PPs to request revision	Project boundary
SSC_361	Clarification on the applicability of AMS-I.C to a new biomass cogeneration project exporting electricity to a grid	PPs to request revision	Applicability condition
SSC_370	Clarification on the applicability of AMS-II.E to a group of similar residential houses	PPs to request revision	Applicability condition
SSC_374	Clarification on calculation of baseline emissions for retrofitted boilers in AMS-1.C	Procedure for retrofit of fossil fuel thermal generating equipment to use biomass residues including guidance on comparable level of service at next revision.	Baseline procedure for retrofit Monitoring
SSC_376	Clarification on the monitoring of "methane recovered, fuelled, flared or utilized" in AMS-III.H	Revised provisions on measurement of biogas flow and its methane content - same location continuously.	Monitoring
SSC_383	Clarification on the treatment of the liquid digester effluent and the proper soil application of the final sludge	PPs to request revision	Applicability condition

Clarification number	Title of submission	Recommendation by Small-Scale Working Group	Request to clarify
SSC_389	Clarification on the choice of combustion efficiency in equation (4) of AMS-III.G for landfill gas that is not flared	Project destruction efficiency of 100% should be used for the portion of biogas combusted for gainful energy use is to be reflected in next revision of AMS-III.G.	Project emissions calculations
SSC_391	Exemption from performing debundling check for project activities based on small independent subsystem/measures	Revised debundling guidance	Revised debundling guidance
SSC_396	Clarification on the applicability of AMS-III.D for Greenfield project	Includes procedure for greenfield as per General Guidelines to small-scale methodologies.	Baseline procedure for greenfield
SSC_401	Clarification on the determination of operating hours for project activities replacing ICL with CFL under AMS-II.C	Deviation	Emission reduction approach
SSC_403	Applicability of AMS-II.B to a new district heating system displacing individual boilers	PPs to request revision	Applicability condition
SSC_405	Clarification on the application of correction factor for measurement campaign to the ex post emission reduction calculation	Editorial	Editorial
SSC_407	Efficiency determination of a cogeneration system in AMS-I.C	PPs to request revision	Emission reduction approach
SSC_409	Monitoring of electricity supplied to grid connected users in AMS-I.D	Agreed to revise the methodology	Monitoring
SSC_427	Clarification on historical data for determining baseline COD removal efficiency under AMS-III.H	Baseline to distinguish the projects that solely supply electricity to a grid from those that displace grid electricity and revised monitoring	Baseline scenarios and procedures Monitoring
SSC_458	Clarification on the applicability of AMS-I.C to a new co-generation plant	PPs to request revision	Applicability condition

Clarification number	Title of submission	Recommendation by Small-Scale Working Group	Request to clarify
SSC_469	Applicability of AMS-I.D/AMS-I.F for wind power projects feeding power to manufacturing unit of the wind project developer	Conditions under which measurement campaign can be used for Baseline emissions for greenfield	Baseline estimation approach
SSC_478	Clarification on the applicability of AMS-III.Q to an enhanced waste heat recovery project	BE estimation in conservative manner using the lowest emission factor to be reflected in future revision.	Baseline estimation approach
SSC_484	Clarification on the applicability of AMS-II.C to a pump scheduling system	Expand applicability to cover energy efficiency control projects at future revision.	New applicability to energy efficiency control projects
SSC_491	Clarification on the emissions reduction calculation of AMS-III.F in case of increase of capacity utilization	Correct the equation for emission reduction calculation for increased capacity of existing composting facilities.	Correction of Emission reduction calculations
SSC_502	Clarification regarding applicability of AMS-III.B to fuel switching at isolated grid connected electricity generation facilities	Expanded applicability to installation of new energy generating facility (low carbon-intensive) to displace an existing high carbon-intensive energy generating facility connected to an isolated grid.	Expanded applicability to new project activity
SSC_512	Clarification on the baseline selection for a new cogeneration project activity applying AMS-I.C	PPs to request revision	Baseline scenario
SSC_558	Clarification on the treatment of capacity addition in the case of wind energy projects under AMS-I.D	PPs to request revision	Applicability condition
SSC_563	Clarification on the monitoring requirements for Greenfield renewable biomass energy plants supplying power to a grid	PPs to request revision	Monitoring requirements

Clarification number	Title of submission	Recommendation by Small-Scale Working Group	Request to clarify
SSC_566	Clarification on monitoring requirements for stove efficiency for a project activity utilizing Kitchen Performance Test	Monitoring requirements for cases using Kitchen Performance Test to be revised at future revision of II.G.	Monitoring requirements
SSC_573	Clarification on determination of the baseline cogeneration efficiency under AMS-I.C	Include default values for baseline efficiency in a future revision of AMS-I.C.	Default values for baseline
SSC_575	Clarification on definition of type of biomass in the context of AMS-I.D	Monitoring requirements for moisture content of biomass to be reflected in a future revision of AMS-I.D.	Monitoring requirements
SSC_579	Consideration of monitoring requirement for HRSG project with an integrated burner	Revise to include using the value of 1 for fwcm and consider the project emission from combustion of natural gas to be reflected in a future revision of AMS-III.Q.	Default value for baseline
SSC_580	Clarification on the requirement of AMS-II.C for project activity replacing inefficient refrigerators	PPs to request revision	Applicability condition
SSC_581	Clarification regarding baseline identification for renewable energy lighting applications using AMS-I.A	Revision to include suppressed demand as per plan for future revision of AMS-I.A.	Baseline scenario and procedure to account for suppressed demand
SSC_595	Clarification on energy efficiency requirements for project cook stoves under AMS-II.G	Revised applicability condition on difference between project and baseline efficiencies and revised monitoring provisions in future revision.	Revised applicability condition. Monitoring.

Clarification number	Title of submission	Recommendation by Small-Scale Working Group	Request to clarify
SSC_604	Clarification on the use of latest tool of "project and leakage emissions from composting" in AMS-III.F	PE and LE calculations as per the Tool for Project emission (PE) and leakage (LE) from composting.	Project emission and leakage as per Composting tool
SSC_606	Applicability of AMS-III.Q for waste heat recovery from reclaimed water for space heating application	PPs to request revision	Applicability condition
SSC_607	Clarification on applicability of AMS-III.Z distinguishing between technology change and process change	Applicability expansion to include new additive - pulverized coal and to provide PE calculations.	Expanded applicability to new PA. New PE calculation.
SSC_609	Clarification regarding the use of sampling to estimate the date of distribution of project lamps under AMS-III.AR	Provisions to use default value or sampling for establishing the date of delivery used for ER calculations to be reflected at future revision	Emission reduction calculation provisions Monitoring
SSC_610	Clarification on project emissions in fuel switch projects applying AMS-I.C when project and baseline set-up is the same	Provisions to account PE for auxiliary fossil fuel use.	Project emission estimation
SSC_613	Applicability of AMS-III.Q when generator and the recipient of energy is included as a project participant	Provisions on avoiding double counting to be included in next revision when CERs are shared.	Revision of applicability condition for avoiding double counting
SSC_616	Applicability of AMS-I.A for off-grid project activity involving end-users connected to a grid with frequent blackouts/brownouts	Procedure to estimate baseline emission factor for the cases where existing fossil fuel captive electricity generation is displaced and PA supplies electricity to grid-connected users with limited grid availability.	Expanded applicability baseline estimation procedure
SSC_633	Clarification on AMS-I.C for project involving heating and cooling system utilising water thermal	PPs to request revision	Applicability condition

Clarification number	Title of submission	Recommendation by Small-Scale Working Group	Request to clarify
SSC_638	Clarification on the monitoring of the baseline for biomass waste disposal under AMS-III.E	BL scenario identification for baseline waste disposal	Baseline scenario
SSC_653	Clarification on leakage due to use of imported biomass residues in AMS-I.D projects	Transport emissions due to imported biomass residues to be reflected in future revision of type I methodology.	Project emission procedure
SSC_659	Clarification on ex post monitoring of efficiency of improved cook stoves in AMS-II.G	Revision to include that ex post monitored value of efficiency of operating devices should be used for ER calculations (including sampling).	Emission reduction calculation provisions
SSC_660	Clarification on how to deal with differences in efficiency test under AMS-II.G	Revision to include that ex post monitored value of efficiency of operating devices should be used for ER calculations (including sampling).	Emission reduction calculation provisions
SSC_664	Clarification on methane correction factors for treated water used for irrigation under AMS-III.H	Methane correction factor of 0.1 can be used for PE from discharge of treated water for irrigation provided standards are followed.	Project emission calculations
SSC_673	Clarification on the definition of point-of-entry treatment systems and their eligibility under AMS-III.AV version 3	Expanded applicability to cover point-of-entry technologies for water purification.	New expanded applicability
SSC_674	Clarification on the use of qualitative surveys to determine the amount of woody biomass under AMS-II.G	Definition of dry biomass to be reflected in next revision of AMS-II.G.	Definition

Clarification number	Title of submission	Recommendation by Small-Scale Working Group	Request to clarify
SSC_675	Clarification on monitoring of biomass transportation under AMS-I.C	Monitoring of transportation distance for biomass and PE as per the tool for project and leakage emissions from transportation of freight to be reflected in next revision.	PE/LE estimation procedure. Monitoring of transportation distance.
SSC_688	Clarification on the ex post calculation of emission reductions in AMS-III.H	Monitoring of baseline parameters that are established ex post to be reflected at next revision of AMS-III.H.	Monitoring of ex post parameters for BE
SSC_690	Clarification on two of the applicability conditions under AMS-III.Q	Data vintage requirements and procedure for determining the lifetime of equipment to be reflected at next revision of AMS-III.Q.	Data vintage. Lifetime requirements.
SSC_694	Clarification on the monitoring requirement of monitoring the output of the recovered biogas in AMS-III.D (version 19.0)	PPs to request revision	Monitoring requirement
SSC_699	Query on debundling assessment for project activities using AMS-III.Z	Additional debundling guidance in methodology.	Debundling guidance
SSC_711	Clarification on the requirement to monitor continued use of baseline stoves under AMS-II.G	Editorial revision	Editorial
SSC_713	Clarification on the monitoring requirements for usage days of project devices and baseline stoves under AMS-II.G	Cross-check procedure for baseline biomass consumption when WBT is used	New procedure for cross-check

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