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Annex 3

CLEAN DEVELOPMENT MECHANISM VALIDATION AND VERIFICATION MANUAL

(Version 01)

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Abbreviations

AE Applicant entity

A/R Afforestation and reforestation
CAR Corrective action request
CDM Clean development mechanism
CDM ER

CDM EB CDM Executive Board CER Certified emission reduction

CL Clarification request

CMP Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol

CPA CDM programme activity
DOE Designated operational entity
DNA Designated national authority
FAR Forward action request
GHG Greenhouse gas(es)

GHG Greenhouse gas(es)
IPCC Intergovernmental Panel on Climate Change

PoA Programme of activities
PDD Project Design Document

UNFCCC United Nations Framework Convention on Climate Change



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I. Introduction

- 1. The Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol (CMP) at its second session, through its decision 1.CMP.2¹ requested the Executive Board (hereinafter referred to as the CDM Executive Board) to develop guidance for designated operational entities on verification and validation in order to promote quality and consistency in verification and validation reports. The CMP at its third session² requested the Executive Board of the clean development mechanism "to conclude, as its highest priority, the validation and verification manual as a standard for designated operational entities" (DOEs). The CDM Executive Board, at its [forty-fourth] meeting, approved the clean development mechanism (CDM) validation and verification manual (hereinafter referred as the Manual) for DOEs for their validation and verification work.
- 2. The document provides requirements to DOEs for their validation and verification work and promotes quality and consistency in the preparation of their validations and verification reports.
- 3. In carrying out their validation and verification work, DOEs shall follow this Manual and shall integrate its provisions into their quality management systems.
- 4. In carrying out their validation and verification work, DOEs shall ensure that each project activity meets all applicable CDM requirements. The CDM requirements include the CDM modalities and procedures and subsequent decisions by the CMP and documents released by the CDM Executive Board and available on the UNFCCC CDM website (together referred to as CDM requirements).
- 5. Applicant entities (AEs) that apply for accreditation/designation as a Designated Operational Entity shall follow relevant provisions of this Manual when carrying out activities that are witnessed for obtaining accreditation and shall integrate its provisions into their quality management systems.

A. Updates to the Manual

6. Taking into consideration the evolving nature of the CDM, the CDM Executive Board shall update the Manual, as necessary.

II. Terms for validating and verifying information provided by project participants

1. Accurate

- 7. Checking for accuracy means:
 - (a) For quantitative data and information: minimizing bias and uncertainty in the measurement process and the processing of data;
 - (b) For non-quantitative information: minimizing bias in favour of a particular result.

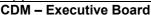
2. Conservative

8. Information can be considered as conservative if the GHG emission reductions or removal enhancements of a project activity are not overestimated.

¹ Decision 1/CMP.2, further guidance relating to the clean development mechanism.

² Decision 2/CMP.3, further guidance relating to the clean development mechanism.







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3. Relevant

9. Information can be considered relevant if it ensures compliance with the CDM requirements and the quantification and reporting of emission reductions achieved by a project activity. Unnecessary data and assumptions that do not have an impact on the emission reductions are not considered as relevant.

4. Credible

10. Information can be considered credible if it is authentic and is able to inspire belief or trust, and the willingness of persons to accept the quality of evidence.

5. Reliable

11. Information can be considered reliable if the quality of evidence is accurate and credible and able to yield the same results on a repeated basis.

6. Completeness

12. Completeness refers to inclusion of all relevant information for assessment of GHG emissions reductions and the information supporting the methods applied as required.

7. Validation/verification opinion

13. Formal written declaration to the intended user that provides assurance on the opinion relating to the GHG emission reductions or removal enhancements of a project activity.

III. Principles for validation and verification

14. DOEs shall apply the following principles in performing validation and verification and in preparing validation and verification reports.

1. Consistency

- 15. Consistency is achieved by:
 - (a) Applying uniform criteria to the requirements of the applicable approved methodology throughout the crediting period(s);
 - (b) Applying uniform criteria among project activities with similar characteristics such as a similar application of the approved methodology, use of technology, time period or region;
 - (c) Applying uniform criteria to expert judgements, over time and among projects.
- 16. The principle of consistency shall not prevent a DOE from applying the most recent decisions and guidance provided by the CDM Executive Board.

2. Transparency

17. Information in the validation and verification reports shall be presented in an open, clear, factual, neutral and coherent manner based on documentary evidence.



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- 18. Transparency requires DOEs to:
 - (a) Clearly and explicitly state and document all assumptions;
 - (b) Clearly reference background material;
 - (c) Clearly identify changes made to documentation.
 - 3. Impartiality, independence and safeguarding against conflicts of interest
- 19. DOEs shall remain independent of the project activity being validated or verified. They shall also remain free from bias and any real or potential conflict of interest.
- 20. Appendix A to the CDM modalities and procedures specifies that DOEs shall work in a credible, independent, non-discriminatory and transparent manner. The structure of the DOE shall safeguard the impartiality of its operations. If the DOE is part of a larger organization, the DOE shall clearly define the links with other parts of the organization to demonstrate that no conflicts of interest exist. DOEs shall remain free of any commercial, financial or other processes that influence its judgement or endanger trust in its independence and integrity.³
- 21. DOEs shall base their findings and conclusions upon objective evidence and shall conduct all activities in connection with the validation and verification processes in accordance with the rules and procedures of the COP/MOP and the CDM Executive Board.
- 22. In their reports, DOEs shall truthfully and accurately state their validation or verification activities, findings and conclusions.

4. Confidentiality

23. In accordance with the CDM requirements, DOEs shall safeguard the confidentiality of all information obtained or created during validation or verification.⁴

IV. Additional roles of designated operational entities

- 24. The CDM Executive Board, has entrusted DOEs with the functions below in addition to validation and verification:
 - (a) Undertaking voluntary pre-assessment of new baseline and monitoring methodologies in accordance with paragraph 14 of the report of the twenty-first meeting of the CDM Executive Board;⁵
 - (b) Identifying and submitting requests for deviation in accordance with paragraph 66 of the report of the twenty-first meeting of the CDM Executive Board⁶.

³ See paragraph 11 of the report of the thirty-first meeting of the CDM Executive Board http://cdm.unfccc.int/EB/031/eb31rep.pdf and paragraph 13 of the report of the thirty-third meeting of the CDM Executive Board http://cdm.unfccc.int/EB/033/eb33rep.pdf for the decision of the Board on the use of laboratories and calibration services for CDM projects by DOEs.

⁴ See decision 3/CMP.1 for details. http://cdm.unfccc.int/Reference/COPMOP/08a01.pdf#page=6>.

⁵ <http://cdm.unfccc.int/EB/021/eb21rep.pdf>.

⁶ < http://cdm.unfccc.int/EB/021/eb21rep.pdf>.



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25. In response to reviews of project activities associated with validation or verification requirements⁷ and requests for clarification from the CDM Executive Board, DOEs shall provide a response and where possible the additional information requested.

V. CDM validation

A. Objective of CDM validation

- 26. The purpose of validation is to ensure a thorough, independent assessment of proposed project activities submitted for registration as a proposed CDM project activity against the applicable CDM requirements.
- 27. The DOE shall report the results of its assessment in a validation report. The DOE shall submit this validation report, along with the supporting documents to the CDM Executive Board as part of the request for registration of a project activity as a proposed CDM project activity.
- 28. The validation report shall include a positive validation opinion only if the proposed project activity complies with the applicable CDM requirements.

B. Validation approach

- 29. The CDM is a rules-based mechanism. Therefore, it shall be the DOE's responsibility to ensure that, in accordance with this Manual and CDM requirements, these rules are complied with for any project activities requesting registration as a proposed CDM project activity.
- 30. During validation, the DOE shall assess whether the project design of the proposed CDM project activity meets the CDM requirements. For this, the DOE shall, using objective evidence, assess the completeness and accuracy of the claims and conservativeness of the assumptions made in the project design document (PDD). The evidence used in this assessment shall not be limited to that provided by the project participants.
- 31. In assessing evidence, the DOE shall not omit evidence that is likely to alter the validation opinion. In the assessment of evidence, the DOE shall use the acceptable approaches as specified in chapter V, section E below, and the DOE shall ensure that the project activity complies with the relevant requirements set out in the CDM modalities and procedures, the applicability conditions of the selected methodology and guidance issued by the CDM Executive Board before submitting a request for registration.
- 32. In case the validation report includes a negative validation opinion the validation report shall be sent to the CDM Executive Board.

C. Validation methods

1. Means of validation

- 33. The DOE shall apply standard auditing techniques to assess the correctness of the information provided by the project participants, including, where appropriate, but not limited to:
 - (a) Document review, involving:

⁷ See decision 4/CMP.1 relating to procedures for review as referred to in paragraph 41 of the modalities and procedures of the clean development mechanism.



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- (i) Review of data and information to verify the correctness, credibility and interpretation of presented information;
- (ii) Cross checks between information provided in the PDD and information from sources other than that used, if available, and if necessary independent background investigations
- (b) Follow-up actions (e.g., on site visit and telephone or email interviews), including:
 - (i) Interviews with relevant stakeholders in the host country, personnel with knowledge of the project design and implementation;
 - (ii) Cross-check of information provided by interviewed personnel (i.e. by checking sources or other interviews) to ensure that no relevant information has been omitted from the validation;
- (c) Reference to available information relating to projects or technologies similar to the proposed CDM project activity under validation; and
- (d) Review, based on the approved methodology being applied, of the appropriateness of formulae and correctness of calculations.
 - 2. Clarification requests, corrective action requests and forward action requests
- 34. If, during the validation of a project activity, the DOE identifies issues that need to be further elaborated upon, researched or added to in order to confirm that the project activity meets the CDM requirements and can achieve credible emission reductions, the DOE shall ensure that these issues are correctly identified, discussed and concluded in the validation report.
- 35. The DOE shall raise a corrective action request (CAR) if one of the following occurs:
 - (a) The project participants have made mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions;
 - (b) The CDM requirements have not been met;
 - (c) There is a risk that emission reductions cannot be monitored or calculated.
- 36. The DOE shall raise a clarification request (CL) if information is insufficient or not clear enough to determine whether the applicable CDM requirements have been met.
- 37. The DOE shall raise a forward action request (FAR) during validation to highlight issues related to project implementation that require review during the first verification of the project activity. FARs shall not relate to the CDM requirements for registration.
- 38. The DOE shall resolve or "close out" CARs and CLs only if the project participants modify the project design, rectify the PDD or provide adequate additional explanations or evidence that satisfy the DOE's concerns. If this is not done, the DOE shall not recommend the project activity for registration to the CDM Executive Board.
- 39. The DOE shall report on all CARs, CLs and FARs in its validation report. This reporting shall be undertaken in a transparent and unambiguous manner that allows the reader to understand the nature of



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the issue raised, the nature of the responses provided by the project participants, the means of validation of such responses and clear reference to any resulting changes in the PDD or supporting annexes.

D. Stakeholder consultation process

- 40. The DOE shall make the PDD of the project activity under consideration publicly available in accordance with the latest version of the "Procedures For Processing And Reporting On Validation Of CDM Project Activities".
- 41. During the validation of the project activity, the DOE shall take into account the comments received and the validation report shall include details of actions taken to take due account of the comments during the validation process.
- 42. If comments are not sufficiently substantiated or indicate that the project activity does not comply with the CDM requirements, then the DOE shall request further clarification from the entity providing the comment. However, the DOE is not required to enter into a dialogue with Parties, stakeholders or NGOs that comment on the CDM requirements. If no additional information or substantiation is provided in response to a request for clarification, the DOE shall proceed to assess the comments as originally provided.

E. Validation requirements based on paragraph 37 of the CDM modalities and procedures

43. In carrying out its validation work, the DOE shall ensure that the project activity complies with the requirements of paragraph 37 of the CDM modalities and procedures.

1. Approval

- (i) Requirement to be validated
- 44. All Parties involved have approved the project activity.
 - (ii) Means of validation
- 45. The DOE shall determine whether the DNA of each Party indicated as being involved in the proposed CDM project activity in section A.3 of the PDD has provided a written letter of approval. The DOE shall determine whether each letter confirms that:
 - (a) The Party is a Party to the Kyoto Protocol;
 - (b) Participation is voluntary;
 - (c) In the case of the host Party, the proposed CDM project activity contributes to the sustainable development of the country;
 - (d) It refers to the precise proposed CDM project activity title in the PDD being submitted for registration.
- 46. The DOE shall determine whether the letter(s) of approval is unconditional with respect to (a) to (d) above.

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⁸ < http://cdm.unfccc.int/Reference/Procedures/reg_proc05_v01.pdf>.





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- 47. The DOE shall determine whether the letter(s) of approval has been issued by the respective Party's designated national authority (DNA) and if in doubt, shall verify with the DNA that the letter of approval is valid for the proposed CDM project activity under validation. A list of DNAs is available on the UNFCCC CDM website⁹.
- 48. If the DOE doubts the authenticity of the letter of approval, the DOE shall verify with the DNA that the letter of approval is authentic.
 - (iii) Reporting requirements
- 49. The validation report shall, for each Party involved:
 - (a) Indicate whether a letter of approval has been received, with clearly referencing the letter itself and any supporting documentation;
 - (b) Indicate whether the DOE received this letter from the project participants or directly from the DNA;
 - (c) Indicate the means of validation employed to assess the authenticity if paragraph 48 above applies;
 - (d) Contain a clear statement regarding whether the DOE considers the letters are in accordance with paragraphs 45 48 above.
- 50. If letters of approval contain additional specification of the project activity, such as the PDD version number, then the request for registration shall be made on the basis of the documents specified in the letter. If a letter of approval refers to a specific version of the validation report and the DOE therefore is unable to submit this precise version of the validation report, the DOE shall take one of the following options:
 - (a) Insert a statement in the validation report to indicate that the final letter of approval has not been received and that a request for registration will not be submitted until it has been received:
 - (b) Update the validation report to reflect the receipt of the letter of approval. If this option is chosen, validation report major number shall remain unchanged and the minor number shall be increased. The validation report shall contain confirmation that this is the only change that has been made to the version referred to in the letter of approval.

2. Participation

- (i) Requirement to be validated
- All project participants have been listed in a consistent manner in the project documentation, and their participation in the project activity has been approved by a Party to the Kyoto Protocol.
 - (ii) Means of validation
- 52. The DOE shall confirm that the project participants are listed in tabular form in section A.3 of the PDD and that this information is consistent with the contact details provided in annex 1 of the PDD. The DOE shall determine whether the participation of each project participant has been approved by at least

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⁹ < http://cdm.unfccc.int/index.html>.







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one Party involved, either in a letter of approval or in a separate letter specifically to approve participation. The DOE shall confirm that no entities other than those approved as project participants are included in these sections of the PDD.

- 53. The DOE shall ensure that the approval of participation has been issued from the relevant DNA and if in doubt shall verify with the DNA that the approval of participation is valid for the proposed project participant.
 - (iii) Reporting requirements
- 54. The validation report shall, for each project participant:
 - (a) Indicate whether the participation has been approved by a Party to the Kyoto Protocol;
 - (b) Describe the means of validation employed to draw this conclusion.
 - 3. Project design document
 - (i) Requirement to be validated
- 55. The PDD used as a basis for validation shall be prepared in accordance with the latest template and guidance from the CDM Executive Board available on the UNFCCC CDM website¹⁰.
 - (ii) Means of validation
- 56. The DOE shall determine whether the PDD is in accordance with the applicable CDM requirements for completing PDDs.¹¹
 - (iii) Reporting requirements
- 57. The validation report shall contain a statement regarding the compliance of the PDD with relevant forms and guidance.¹²
 - 4. Project description
 - (i) Requirement to be validated
- 58. The PDD shall contain a clear description of the project activity that provides the reader with a clear understanding of the precise nature of the project activity and the technical aspects of its implementation.
 - (ii) Means of validation
- 59. The DOE shall confirm that the description of the proposed CDM project activity as contained in the PDD sufficiently covers all relevant elements, is accurate and that it provides the reader with a clear understanding of the nature of the proposed CDM project activity.
- 60. For proposed CDM project activities in existing facilities or utilizing existing equipments, the DOE shall conduct a physical site inspection to confirm that the description in the PDD reflects the

¹⁰ http://cdm.unfccc.int/Reference/PDDs Forms/PDDs/index.html>.

^{11 &}lt;http://cdm.unfccc.int/Reference/Guidclarif/pdd/index.html>.

^{12 &}lt;a href="http://cdm.unfccc.int/Reference/Guidclarif/pdd/index.html">http://cdm.unfccc.int/Reference/Guidclarif/pdd/index.html.



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proposed CDM project activity for the following types of CDM project activities unless other means are specified in the methodology:

- (a) Large scale projects;
- (b) Non-bundled small scale projects with emission reductions exceeding 15,000 tonnes per year;
- (c) Bundled small scale projects, each with emission reductions not exceeding 15,000 tonnes per year; in such case the number of physical site visits may however be based on sampling, if the sampling size is appropriately justified through statistical analysis.
- 61. For other individual proposed small scale CDM project activities with emission reductions not exceeding 15,000 tonnes per year the DOE may conduct a physical site visit as appropriate.
- 62. For all other proposed CDM project activities not referred to in paragraphs 59 61, the DOE shall undertake the validation by reviewing available designs and feasibility studies and may conduct comparison analysis to equivalent projects, as appropriate. The DOE may conduct physical site visit to assess the plan. For proposed CDM project activities for which the DOE does not undertake a physical site inspection this shall be appropriately justified.
- 63. If the proposed CDM project activity involves the alteration of an existing installation or process, the DOE shall ensure that the project description clearly states the differences resulting from the project activity compared to the pre-project situation.
 - (iii) Reporting requirements
- 64. The validation report shall:
 - (a) Describe the process undertaken to validate the accuracy and completeness of the project description;
 - (b) Contain the DOE's opinion on the accuracy and completeness of the project description.
 - 5. Baseline and monitoring methodology
- (a) General requirement
- 65. The DOE shall ensure that the baseline and monitoring methodologies selected by the project participants comply with the methodologies previously approved by the CDM Executive Board¹³.
- 66. To ensure that the project activity meets this general requirement, the DOE shall determine whether:
 - (a) The selected methodology is applicable to the project activity;
 - (b) The selected methodology had been correctly applied.

¹³ If the DOE determines that project participants intend to use a new baseline and monitoring methodology, it shall, before submitting a request for registration of the project activity, forward the proposed methodology, together with the draft PDD, to the CDM Executive Board for review, in accordance with the latest procedure for submitting and considering proposed new methodologies

http://cdm.unfccc.int/Reference/Procedures/meth proc02 v13.pdf>.



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- 67. The DOE shall ensure that the selected methodology applies to the project activity and has been correctly applied with respect to following:
 - (a) Project boundary;
 - (b) Baseline identification;
 - (c) Algorithms and/or formulae used to determine emission reductions;
 - (d) Additionality; 14
 - (e) Monitoring methodology.¹⁵
- (b) Applicability of the selected methodology to the project activity
 - (i) Requirement to be validated
- 68. The DOE shall validate that the selected baseline and monitoring methodology previously approved by the CDM Executive Board, is applicable to the project activity. ¹⁶
 - (ii) Means of validation
- 69. The DOE shall determine whether the methodology is correctly quoted and applied by comparing it with the actual text of the applicable version of the methodology available on the UNFCCC CDM website.
- 70. A selected approved methodology applies to the project activity if the applicability conditions of the methodology are met and the project activity is not expected to result in emissions other than those allowed by the methodology. The DOE shall determine whether the choice of methodology is justified and the project participants have shown that the project activity meets each of the applicability conditions of the approved methodology or any tool or other methodology component referred to therein. This shall be done by validating the documentation referred to in the PDD and by verifying that its content is correctly quoted and interpreted in the PDD. If the DOE, based on local and sectoral knowledge, is aware that comparable information is available from sources other than that used in the PDD, then the DOE shall cross check the PDD against the other sources to confirm that the project activity meets the applicability conditions of the methodology.
- 71. If the DOE cannot make a determination regarding the applicability of the selected methodology to the proposed CDM project activity then the DOE shall request clarification of the methodology in accordance with the guidance provided by the CDM Executive Board.¹⁷

¹⁴ See Chapter V, sections E6 below.

¹⁵ See Chapter V, sections E7 below.

¹⁶ In accordance with the procedures for the revision of an approved baseline or monitoring methodology by the Executive Board (http://cdm.unfccc.int/Reference/Procedures/index.html), any revision to an approved methodology or a tool referred to in a methodology shall only be applicable to project activities registered after the revision and shall not affect (1) registered CDM project activities during their crediting period or (2) project activities that have been published for public comments for validation using an approved methodology or tool, so long as the project activity is submitted for registration within eight months of the effective date of the revision of the methodology.

^{17 &}lt;a href="http://cdm.unfccc.int/EB/031/eb31">http://cdm.unfccc.int/EB/031/eb31 repan12.pdf> and http://cdm.unfccc.int/EB/031/eb31 repan12.pdf> and http://cdm.unfccc.int/EB/027/eb27_repan10.pdf.

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- 72. If the DOE determines that the proposed CDM project activity does not comply with the applicability conditions of the methodology the DOE may proceed by means of requesting revision to or deviation from the methodology in accordance with the guidance provided by the CDM Executive Board.¹⁸
- 73. If the DOE has requested clarification of, revision to or deviation from a methodology, the DOE shall not submit a request for registration until the CDM Executive Board has approved the proposed deviation or revision.
- 74. Under no circumstance shall the DOE consider the submission of a request for registration as a means of seeking clarification from the CDM Executive Board on the applicability of a methodology.

(iii) Reporting requirements

- 75. For each applicability condition listed in the approved methodology selected, the DOE shall clearly describe in the validation report the steps taken to assess the relevant information contained in the PDD against these criteria. The validation report shall include an unambiguous validation opinion regarding the applicability of the selected methodology to the proposed CDM project activity.
- 76. The validation report shall contain information regarding greenhouse gas emissions occurring within the proposed CDM project activity boundary as a result of the implementation of the proposed CDM project activity which are expected to contribute more than 1% of the overall expected average annual emissions reductions, which are not addressed by the applied methodology.

(c) <u>Project boundary</u>

(i) Requirement to be validated

77. The PDD shall correctly describe the project boundary, including the physical delineation of the proposed CDM project activity included within the project boundary for the purpose of calculating project and baseline emissions for the proposed CDM project activity.

(ii) Means of validation

78. Based on documented evidence and corroborated by a site visit where required by paragraphs 59-62 above, the DOE shall determine whether the delineation in the PDD of the project boundary is correct and meets the requirements of the selected baseline methodology. The DOE also shall confirm that all sources and GHGs required by the methodology have been included within the project boundary. If the methodology allows project participants to choose whether a source or gas is to be included within the project boundary, the DOE shall determine whether the project participants have justified that choice. The DOE shall confirm that the justification provided is reasonable, based on assessment of supporting documented evidence provided by the project participants and corroborated by observations if required.

(iii) Reporting requirements

79. In the validation report, the DOE shall describe how the validation of the project boundary has been performed, by detailing the documentation assessed (e.g., a commissioning report) and by describing its observations during any site visit undertaken in accordance with paragraphs 59-62 above (i.e., observations of the physical site or equipment used in the process). The DOE shall provide a statement whether the identified boundary and the selected sources and gases are justified for the project activity.

^{18 &}lt; http://cdm.unfccc.int/EB/031/eb31_repan12.pdf> and < http://cdm.unfccc.int/EB/027/eb27_repan10.pdf>.



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Should the DOE identify emission sources that will be affected by the project activity and are not addressed by the selected approved methodology, the DOE shall request clarification of, revision to or deviation from the methodology, as appropriate, as described in paragraph 72 above.

(d) Baseline identification

(i) Requirement to be validated

- 80. The PDD shall identify the baseline for the proposed CDM project activity, defined as the scenario that reasonably represents the anthropogenic emissions by sources of GHGs that would occur in the absence of the proposed CDM project activity.
- 81. The DOE shall confirm that any procedure contained in the methodology to identify the most reasonable baseline scenario, has been correctly applied. If the selected methodology requires use of tools (such as the "Tool for the demonstration and assessment of additionality" and the "Combined tool to identify the baseline scenario and demonstrate additionality") to establish the baseline scenario, the DOE shall consult the methodology on the application of these tools. In such cases, the guidance in the methodology shall supersede the tool. The DOE shall check each step in the procedure described in the PDD against the requirements of the methodology.

(ii) Means of validation

- 82. If the methodology requires several alternative scenarios to be considered in the identification of the most reasonable baseline scenario, the DOE shall, based on financial expertise and local and sectoral knowledge, determine whether all scenarios that are considered by the project participants and are supplementary to those required by the methodology, are reasonable in the context of the proposed CDM project activity and that no reasonable alternative scenario has been excluded.
- 83. The DOE shall determine whether the baseline scenario identified is reasonable by validating the assumptions, calculations and rationales used, as described in the PDD. It shall ensure that documents and sources referred to in the PDD are correctly quoted and interpreted. The DOE shall cross check the information provided in the PDD with other verifiable and credible sources, such as local expert opinion, if available.
- 84. The DOE shall determine whether all applicable CDM requirements have been taken into account in the identification of the baseline scenario for the proposed CDM project activity, including "relevant national and/or sectoral policies and circumstances." Drawing on its knowledge of the sector and/or advice from local experts, the DOE shall confirm that all relevant policies and circumstances have been identified and correctly considered in the PDD, in accordance with the guidance by the CDM Executive Board.
- 85. The DOE shall determine whether the PDD provides a verifiable description of the identified baseline scenario, including a description of the technology that would be employed and/or the activities that would take place in the absence of the proposed CDM project activity.

¹⁹ See paragraph 45 CDM M&P; annex 3 to the report of the twenty-second meeting of the CDM Executive Board http://cdm.unfccc.int/EB/022/eb22rep.pdf>.



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(iii) Reporting requirements

- 86. The DOE shall clearly describe in the validation report the steps taken to assess the requirement given in paragraphs 80 and 81 above and shall provide an opinion as to whether:
 - (a) All the assumptions and data used by the project participants are listed in the PDD, including their references and sources;
 - (b) All documentation used is relevant for establishing the baseline scenario and correctly quoted and interpreted in the PDD;
 - (c) Assumptions and data used in the identification of the baseline scenario are justified appropriately, supported by evidence and can be deemed reasonable;
 - (d) Relevant national and/or sectoral policies and circumstances are considered and listed in the PDD;
 - (e) The approved baseline methodology has been correctly applied to identify the most reasonable baseline scenario and the identified baseline scenario reasonably represents what would occur in the absence of the proposed CDM project activity.
- 87. The validation report shall clearly describe other steps taken, and sources of information used, by the DOE to cross check the information contained in the PDD on this matter.
- (e) Algorithms and/or formulae used to determine emission reductions
 - (i) Requirement to be validated
- 88. The steps taken and equations applied to calculate project emissions, baseline emissions, leakage and emission reductions shall comply with the requirements of the selected baseline and monitoring methodology.

(ii) Means of validation

- 89. The DOE shall determine whether the equations and parameters in the PDD have been correctly applied by comparing them to those in the selected approved methodology. If the methodology provides for selection between different options for equations or parameters, the DOE shall confirm that adequate justification has been provided (based on the choice of the baseline scenario, context of the proposed CDM project activity and other evidence provided) and that the correct equations and parameters have been used, in accordance with the methodology selected.
- 90. The DOE shall verify the justification given in the PDD for the choice of data and parameters used in the equations. If data and parameters will not be monitored throughout the crediting period of the proposed CDM project activity but have already been determined and will remain fixed throughout the crediting period, the DOE shall assess that all data sources and assumptions are appropriate and calculations are correct, applicable to the proposed CDM project activity and will result in a conservative estimate of the emission reductions. If data and parameters will be monitored on implementation and hence become available only after validation of the project activity, the DOE shall confirm that the estimates provided in the PDD for these data and parameters are reasonable.



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(iii) Reporting requirements

- 91. The DOE shall clearly describe in the validation report the steps taken to assess the requirement outlined in paragraph 88 above and shall provide an opinion as to whether:
 - (a) All assumptions and data used by the project participants are listed in the PDD, including their references and sources;
 - (b) All documentation used by project participants as the basis for assumptions and source of data is correctly quoted and interpreted in the PDD;
 - (c) All values used in the PDD are considered reasonable in the context of the proposed CDM project activity;
 - (d) The baseline methodology has been applied correctly to calculate project emissions, baseline emissions, leakage and emission reductions;
 - (e) All estimates of the baseline emissions can be replicated using the data and parameter values provided in the PDD.
- 92. The validation report shall clearly describe how the DOE has verified the data and parameters used in the equations, including references to any other data sources used.

6. Additionality of a project activity

- (i) Requirement to be validated
- 93. The PDD shall describe how a proposed CDM project activity is additional²⁰
 - (ii) Means of validation

The DOE shall assess and verify the reliability and credibility of all data, rationales, assumptions, justifications and documentation provided by project participants to support the demonstration of additionality. This requires the DOE to critically assess the presented evidence, using local knowledge and sectoral and financial expertise.

94. The DOE shall consider tools and documents provided by the CDM Executive Board to demonstrate the additionality of proposed CDM project activities, as well as specific complementary or alternative requirements included in approved CDM methodology.

(iii) Reporting requirements

95. The validation report shall clearly describe all steps taken, and sources of information used, by the DOE to cross-check the information contained in the PDD on this matter. The validation report shall

²⁰ In accordance with paragraph 43 of the CDM M&P "A CDM project activity is additional if anthropogenic emissions of greenhouse gases by sources are reduced below those that would have occurred in the absence of the registered CDM project activity". Note that for A/R CDM project activities: "An afforestation or reforestation project activity under the CDM is additional if the actual net greenhouse gas removals by sinks are increased above the sum of the changes in carbon stocks in the carbon pools within the project boundary that would have occurred in the absence of the registered CDM afforestation or reforestation project activity" (paragraph 18 of the A/R CDM M&P).



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contain information regarding how the DOE has determined that the documentation assessed is authentic, where appropriate.

- (a) <u>Prior consideration of the clean development mechanism²¹</u>
 - (i) Requirement to be validated
- 96. If the project activity start date is prior to the date of publication of the PDD for stakeholder comments it shall be demonstrated that the that the CDM benefits were considered necessary in the decision to undertake the project as a proposed CDM project activity.

(ii) Means of validation

- 97. The DOE shall confirm that the start date of the project activity, reported in the PDD, is in accordance with the "Glossary of CDM terms" If the reported date is not in accordance with the glossary, the DOE shall raise a CAR to ensure that the start date is correctly reported in a revised PDD. In particular, for project activities that require construction, retrofit or other modifications, the date of commissioning cannot be considered the project activity start date.
- 98. The DOE, in accordance with the guidance from the Board²³, shall determine whether it is a new project activity (project activities with staring date on or after 02 August 2008) or an existing project activity (project activities with a start date before 02 August 2008).
- 99. For a new project activity with a start date on or after 2 August 2008 and for which PDD has not been published for global stakeholder consultation or a new methodology proposed to the Executive Board before the project activity start date, the DOE shall ensure by means of confirmation from the DNA or UNFCCC secretariat that PPs had informed the Host Party DNA and/or the UNFCCC secretariat in writing of the commencement of the project activity and of their intention to seek CDM status. If such a notification has not been provided by the project participants the DOE shall determine that the CDM was not seriously considered in the decision to implement the project activity.
- 100. For an existing project activity with a start date before 2 August 2008, for which the start date is prior to the date of publication of the PDD for global stakeholder consultation, the DOE shall assess the project participant's prior consideration of the CDM through document reviews and shall satisfy following requirements:
 - (a) Evidence that must indicate that awareness of the CDM prior to the project activity start date, and that the benefits of the CDM were a decisive factor in the decision to proceed with the project. Evidence to support this would include, inter alia, minutes and/or notes related to the consideration of the decision by the Board of Directors, or equivalent, of the project participant, to undertake the project as a proposed CDM project activity.
 - (b) Reliable evidence from project participants that must indicate that continuing and real actions were taken to secure CDM status for the project in parallel with its implementation. Evidence to support this should include, inter alia, contracts with consultants for CDM/PDD/methodology services, Emission Reduction Purchase Agreements or other documentation related to the sale of the potential CERs (including

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While specific elements of the assessment of additionality are discussed in further detail in paragraphs 96 – 119 below, not all elements discussed below will be applicable to all proposed CDM project activities

²² http://cdm.unfccc.int/Reference/Guidclarif/glos_CDM_v03.pdf>.

²³ See Annex 46 of EB 41 report.



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correspondence with multilateral financial institutions or carbon funds), evidence of agreements or negotiations with a DOE for validation services, submission of a new methodology to the CDM Executive Board, publication in newspaper, interviews with DNA, earlier correspondence on the project with the DNA or the UNFCCC secretariat.

- 101. If evidence to support the serious prior consideration of the CDM as indicated above is not available the DOE shall determine that the CDM was not considered in the decision to implement the project activity.
 - (iii) Reporting requirements
- 102. The validation report shall:
 - (a) Describe the DOE's validation of the project activity start date provided in the PDD;
 - (b) Describe the evidence for prior consideration of the CDM (if necessary) that was assessed;
 - (c) Provide a clear validation opinion regarding whether the proposed CDM project activity complies with the requirements of EB41²⁴
- (b) <u>Identification of alternatives</u>
 - (i) Requirement to be validated
- 103. The PDD shall identify credible alternatives to the project activity in order to determine the most realistic baseline scenario, unless the approved methodology that is selected by the proposed CDM project activity prescribes the baseline scenario and no further analysis is required (e.g., methodology ACM0002).
 - (ii) Means of validation
- 104. The DOE shall assess the list of alternatives given in the PDD and ensure that:
 - (a) The list of alternatives includes as one of the options that the project activity is undertaken without being registered as a proposed CDM project activity;
 - (b) The list contains all plausible alternatives that the DOE, on the basis of its local and sectoral knowledge, considers to be viable means of supplying the outputs or services that are to be supplied by the proposed CDM project activity;
 - (c) The alternatives comply with all applicable and enforced legislation.
 - (iii) Reporting requirements
- 105. The validation report shall describe whether the DOE considers the list of alternatives to be complete.

²⁴ See annex 46 of forty-first meeting of the CDM Executive Board (http://cdm.unfccc.int/EB/041/eb41 repan46.pdf>).



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(c) <u>Investment analysis</u>

(i) Requirement to be validated

106. If investment analysis has been used to demonstrate the additionality of the proposed CDM project activity, the PDD shall provide evidence that the proposed CDM project activity would not be:

- (a) The most economically or financially attractive alternative; or
- (b) Economically or financially feasible, without the revenue from the sale of certified emission reductions (CERs).
- 107. Project participants can show this through one of the following approaches²⁵:
 - (a) Demonstrate that the proposed CDM project activity would produce no financial or economic benefits other than CDM-related income. Document the costs associated with the proposed CDM project activity and the alternatives identified and demonstrate that there is at least one alternative which is less costly than the proposed CDM project activity;
 - (b) The proposed CDM project activity is less economically or financially attractive than at least one other credible and realistic alternative;
 - (c) The financial returns of the proposed CDM project activity would be insufficient to justify the required investment.

108. The DOE shall comply with the latest version of the "Guidance on the Assessment of Investment Analysis" as provided by the CDM Executive Board²⁶.

(ii) Means of validation

109. To verify the accuracy of financial calculations carried out for any investment analysis, the DOE shall:

- (a) Conduct a thorough assessment of all parameters and assumptions used in calculating the relevant financial indicator, and determine the accuracy and suitability of these parameters using the available evidence and expertise in relevant accounting practices:
- (b) Cross-check the parameters against third-party or publicly available sources, such as invoices or price indices;
- (c) Review feasibility reports, public announcements and annual financial reports related to the proposed CDM project activity and the project participants;
- (d) Assess the correctness of computations carried out and documented by the project participants;
- (e) Assess the sensitivity analysis by the project participants to determine under what conditions variations in the result would occur, and the likelihood of these conditions.

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²⁵ It should be noted that paragraph 14 of the "Guidance on the assessment of investment analysis" (EB39, Annex 35) and the requirements of specific methodologies may preclude the use of one of these options in certain scenarios

²⁶ See Annex 45 of EB 41 report.



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- 110. To confirm the suitability of any benchmark applied in the investment analysis, the DOE shall:
 - (a) Determine whether the type of benchmark applied is suitable for the type of financial indicator presented;
 - (b) Ensure that any risk premiums applied in determining the benchmark reflect the risks associated with the project type or activity;
 - (c) Determine whether it is reasonable to assume that no investment would be made at a rate of return lower than the benchmark by, for example, assessing previous investment decisions by the project participants involved and determining whether the same benchmark has been applied or if there are verifiable circumstances that have led to a change in the benchmark.
- 111. The Board clarified that in cases where project participants rely on values from Feasibility Study Reports (FSR)²⁷ that are approved by national authorities for proposed project activities, DOEs are required to ensure that:
 - (a) The FSR has been the basis of the decision to proceed with the investment in the project, i.e. that the period of time between the finalization of the FSR and the investment decision is sufficiently short for the DOE to confirm that it is unlikely in the context of the underlying project activity that the input values would have materially changed;
 - (b) The values used in the PDD and associated annexes are fully consistent with the FSR, and where inconsistencies occur the DOE should validate the appropriateness of the values;
 - (c) On the basis of its specific local and sectoral expertise, confirmation is provided, by cross-checking or other appropriate manner, that the input values from the FSR are valid and applicable at the time of the investment decision.
 - (iii) Reporting requirements
- 112. The validation report shall:
 - (a) Describe in detail how the parameters used in any financial calculations have been validated;
 - (b) Describe how the suitability of any benchmark applied has been assessed;
 - (c) Confirm whether the underlying assumptions are appropriate and the financial calculations are correct.

²⁷ See paragraph 54 of the report of the thirty-eighth meeting of the CDM Executive Board



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- Barrier analysis²⁸ (d)
 - Requirement to be validated (i)
- 113. If barrier analysis has been used to demonstrate the additionality of the proposed CDM project activity, the PDD shall demonstrate that the proposed CDM project activity faces barriers that:
 - Prevent the implementation of this type of proposed CDM project activity; (a)
 - (b) Do not prevent the implementation of at least one of the alternatives.
 - (ii) Means of validation
- Issues that have a clear direct impact²⁹ on the financial returns of the project activity cannot be 114. considered barriers and shall be assessed by investment analysis. This does not refer to either
 - Risk related barriers, for example risk of technical failure, that could have negative (a) effects on financial performance, or
 - (b) Barriers related to the unavailability of sources of finance for the project activity.
- 115. The DOE shall apply a two-step process to assessing the barrier analysis performed, as follows:
 - Determine whether the barriers are real. The DOE shall assess the available evidence (a) and/or undertake interviews with relevant individuals (including members of industry associations, government officials or local experts if necessary) to determine whether the barriers listed in the PDD exist. The DOE shall ensure that existence of barriers is substantiated by independent sources of data such as relevant national legislation, surveys of local conditions and national or international statistics. If existence of a barrier is substantiated only by the opinions of the project participants, the DOE shall not consider this barrier to be adequately substantiated. If the DOE considers, on the basis of its sectoral or local expertise, that a barrier is not real or is not supported by sufficient evidence, it shall raise a CAR to have reference to this barrier removed from the project documentation:
 - (b) Determine whether the barriers prevent the implementation of the project activity but not the implementation of at least one of the possible alternatives. Since not all barriers present an insurmountable hurdle to a project activity being implemented, the DOE shall apply its local and sectoral expertise to judge whether a barrier or set of barriers would prevent the implementation of the proposed CDM project activity and would not equally prevent implementation of at least one of the possible alternatives, in particular the identified baseline scenario.

certainty

²⁸ Barriers are issues in project implementation that could prevent a potential investor from pursuing the implementation of the proposed project activity. The identified barriers are only sufficient grounds for demonstration of additionality if they would prevent potential project proponents from carrying out the proposed project activity undertaken without being registered as a CDM project activity

29 Defined in this context as those issues whose impacts can be expressed in monetary terms with reasonable



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(iii) Reporting requirements

- 116. The validation report shall:
 - (a) Provide an assessment of each barrier listed in the PDD, which describes how the DOE has undertaken validation of the barrier;
 - (b) Provide an overall determination of the credibility of the barrier analysis performed.
- (e) <u>Common practice analysis</u>
 - (i) Requirement to be validated
- 117. For large-scale CDM project activities, unless the proposed project type is first-of-its kind, common practice analysis shall be carried out as a credibility check of the other available evidence used by the project participants to demonstrate additionality. This is a test to complement the investment analysis (Step 2 of the additionality tool) or barrier analysis (Step 3 of the additionality tool) to confirm that the project activity is not widely observed and commonly carried out in the region.
 - (ii) Means of validation
- 118. The DOE shall use its local and sectoral expertise to:
 - (a) Assess whether the geographical scope (e.g. the defined region) of the common practice analysis is appropriate for the assessment of common practice related to the project activity's technology or industry type. For certain technologies the relevant region for assessment will be local and for others it may be transnational/global. If a region other than the entire host country is chosen, the DOE shall assess the explanation why this region is more appropriate;
 - (b) Using official sources and local and industry expertise, determine to what extent similar and operational projects (e.g., using similar technology or practice), other than CDM project activities, have been undertaken in the defined region;
 - (c) If similar and operational projects, other than CDM project activities, are already "widely observed and commonly carried out" in the defined region, assess whether there are essential distinctions between the proposed CDM project activity and the other similar activities.
 - (iii) Reporting requirements
- 119. The validation report shall provide details regarding:
 - (a) How the geographical scope of the common practice analysis has been validated;
 - (b) How the DOE has undertaken an assessment of the existence of similar projects;
 - (c) How the DOE has assessed the essential distinctions between the proposed CDM project activity and any similar projects that are widely observed and commonly carried out;
 - (d) Confirmation by the DOE that the proposed CDM project activity is not common practice.





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7. Monitoring plan

(i) Requirement to be validated

120. The PDD shall include a monitoring plan. This monitoring plan shall be based on the approved monitoring methodology applied to the proposed CDM project activity.

(ii) Means of validation

- 121. The DOE shall apply a two-step process to assessing compliance with this requirement, as follows:
 - (a) Compliance of the monitoring plan with the approved methodology. The DOE shall:
 - (i) By means of document review, identify the list of parameters required by the selected approved methodology;
 - (ii) Confirm that the monitoring plan contains all necessary parameters, that they are clearly described and that the means of monitoring described in the plan complies with the requirements of the methodology;
 - (b) Implementation of the plan. The DOE shall, by means of review of the documented procedures, interviews with relevant personnel, project plans and any physical inspection of the proposed CDM project activity site in accordance with paragraphs 59-62, assess whether:
 - (i) The monitoring arrangements described in the monitoring plan are feasible within the project design;
 - (ii) The means of implementation of the monitoring plan, including the data management and quality assurance and quality control procedures, are sufficient to ensure that the emission reductions achieved by/resulting from the proposed CDM project activity can be reported ex post and verified.

(iii) Reporting requirements

- 122. The validation report shall:
 - (a) State the DOE's opinion of the compliance of the monitoring plan with the requirements of the methodology;
 - (b) Describe the steps undertaken to assess whether the monitoring arrangements described in the monitoring plan are feasible within the project design;
 - (c) State the DOE's opinion of the project participants ability to implement the monitoring plan.

8. Sustainable development

- (i) Requirement to be validated
- 123. CDM project activities shall assist Parties not included in Annex I to the Convention in achieving sustainable development.



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(ii) Means of validation

124. The DOE shall determine whether the letter of approval by the DNA of the host Party confirms the contribution of the proposed CDM project activity to the sustainable development of the host Party.

(iii) Reporting requirements

125. The validation report shall indicate whether the host Party's DNA confirmed the contribution of the project to the sustainable development of the host Party. This may be reported together with the DOE's assessment of the validity of the host Party's approval (refer to paragraphs 49 and 50 above).

9. Local stakeholder consultation

(i) Requirement to be validated

126. Local stakeholders ³⁰shall be invited by the PPs to comment on the proposed CDM project activity prior to the publication of the PDD on the UNFCCC website.

(ii) Means of validation

- 127. The DOE shall, by means of document review and interviews with local stakeholders as appropriate, determine whether:
 - (a) Comments by local stakeholders that can reasonably be considered relevant for the proposed CDM project activity, have been invited;
 - (b) The summary of the comments received as provided in the PDD is complete;
 - (c) The project participants have taken due account of any comments received and have described this process in the PDD.
 - (iii) Reporting requirements
- 128. The validation report shall:
 - (a) Describe the steps taken to assess the adequacy of the local stakeholder consultation;
 - (b) State the DOE's opinion on the adequacy of the local stakeholder consultation.

10. Environmental impacts

(i) Requirement to be validated

129. Project participants shall submit documentation to the DOE on the analysis of the environmental impacts of the project activity in accordance with paragraph 37(c) of the CDM modalities and procedures

(ii) Means of validation

130. The DOE shall confirm, by means of a document review and/or using local official sources and expertise, whether the project participants have undertaken an analysis of environmental impacts and, if required by the host Party, an environmental impact assessment.

³⁰ For definition of stakeholders see glossary of CDM terms

http://cdm.unfccc.int/Reference/Guidclarif/glos CDM v03.pdf>

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(iii) Reporting requirements

131. The validation report shall describe whether the project participants have undertaken an analysis of environmental impacts and, if required by the host Party, an environmental impact assessment in accordance with procedures as required by the host Party.

F. Specific validation activities

1. Background

- 132. Project participants may contract a DOE to undertake certain specific validation activities. For such validation activities, the DOE shall apply the general means of validation and reporting requirements described above as well as those described below.
 - 2. Project design of small-scale clean development mechanism project activities
- 133. The DOE shall determine whether a proposed small-scale project activity meets the requirements of the simplified modalities and procedures for small-scale CDM project activities.³¹
- 134. During its validation of a small-scale project activity, the DOE shall confirm that:
 - (a) The project activity qualifies within the thresholds of the three possible types of small-scale project activities. It may include more than one component; for example, a type III methane recovery component activity and a type I electricity component activity³²;
 - (b) The project activity conforms to one of the approved small-scale categories³³ and applies the relevant tool or methodology. The DOE shall confirm that the small-scale methodologies are applied in conjunction with the general guidance to the methodologies³⁴, which provides guidance on equipment capacity, equipment performance, sampling and other monitoring-related issues;
 - (c) The project activity is not a debundled component of a large-scale project, in accordance with the rules defined in appendix C of the simplified modalities and procedures for small-scale CDM project activities;³⁵
 - (d) Whether an assessment of the environmental impacts of the proposed CDM project activity is required by the host Party.
- 135. In assessing the additionality of small scale CDM project activities, the DOE shall refer to the specific requirements on demonstration of additionality for small scale project activities in chapter V,

³² See paragraphs 56 and 57 of the report of the twenty-eighth meeting of the CDM Executive Board http://cdm.unfccc.int/EB/028/eb28rep.pdf> for guidance on size limits for the components.

³¹ See decision 4/CMP.1. annex II.

³³ Small-scale project activities that follow the simplified modalities and procedures for small-scale CDM project activities may not apply a large-scale approved methodology. However, a project activity that is within the small-scale project activity thresholds may apply a large-scale approved methodology if it follows the modalities and procedures for large-scale project activities defined in footnote 1 above.

³⁴ For the latest version, refer to http://cdm.unfccc.int/methodologies/SSCmethodologies/approved.html.

³⁵ See annex 27 to the report of the thirty-sixth meeting of the CDM Executive Board http://cdm.unfccc.int/EB/036/eb36_repan27.pdf for a compendium of guidance on debundling.



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section E, subsection 7³⁶ and may refer to the "Non-binding best practice examples to demonstrate additionality for SSC project activities."37

3. Afforestation or reforestation project activities under the clean development mechanism

General requirement (a)

- The guidance provided in chapter V, section E above also applies to the validation of A/R CDM 136. project activities to the extent defined in modalities and procedures for afforestation or reforestation (A/R) CDM project activities³⁸ and relevant guidance by the CDM Executive Board³⁹.
- 137. In addition the DOE shall confirm that that specific requirements as defined in the modalities and procedures for A/R CDM project activities have been followed, including:
 - Project boundary for A/R CDM project activities; (a)
 - (b) Selection of carbon pools;
 - (c) Eligibility of land;
 - Approach proposed to address non permanence; (d)
 - Timing of management activities, including harvesting cycles, and verifications; (e)
 - (f) Socio-economic and environmental impacts, including impacts on biodiversity and natural ecosystems.

Project boundary for A/R CDM project activities (b)

- (i) Requirement to be validated
- 138. The PDD shall contain a description of the project boundary that geographically delineates the proposed afforestation or reforestation CDM project activity under the control of the project participants. The proposed A/R CDM project activity may contain more than one discrete area of land.

(ii) Means of validation

- The DOE shall confirm whether the PDD contains a description of the CDM project boundary which encircles discrete areas of land planned for the proposed afforestation or reforestation CDM project activity under the control of the project participants.
- 140. The DOE shall, through document review and/or interviews, validate that the project participants have control over all planned afforestation or reforestation CDM project activity within the project boundary. The control has to include at minimum the exclusive right, defined in a way acceptable under the legal system of the host country, to perform the A/R activity with the aim of achieving net

₃₆ Attachment A to Appendix B of the simplified modalities and procedures for small-scale CDM project activities. 37 < http://cdm.unfccc.int/EB/035/eb35_repan34.pdf>.
38 Annex to Decision 5/CMP.1

³⁹ During it's 38th meeting the CDM Executive Board clarified that for project activities that have both A/R and non-A/R components, in order to avoid double counting of emission sources, the emissions associated with A/R activity shall be accounted for and clearly documented by the A/R CDM project activity (see paragraph 28 of the report of the meeting http://cdm.unfccc.int/EB/038/eb38rep.pdf).



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anthropogenic GHG removals by sinks. If the total number of documents to be reviewed and persons/entities to be interviewed is not less than ten, then the DOE may apply a sampling approach.

(iii) Reporting requirements

141. In the validation report, the DOE shall describe the documentation assessed and/or oral statements delivered by persons interviewed (if any) and conclude on their acceptability under the legal system of the host country. In a case the DOE has applied a sampling approach, the validation report shall additionally describe how many sites have been assessed and how these were selected.

(c) Selection of carbon pools

(i) Requirement to be validated

142. Proposed A/R CDM project activity may account for verifiable changes in the following carbon pools within the project boundary: above-ground biomass, below-ground biomass, litter, dead wood, and soil organic carbon⁴⁰.

(ii) Means of validation

143. The DOE shall determine whether the PDD selected the carbon pools to be considered in the proposed A/R CDM project activity in accordance with the requirements of the selected approved methodology. If the approved methodology allows for an option to exclude certain carbon pools, the DOE shall confirm that verifiable information has been provided to justify the selection. For this, the DOE shall ensure that all documents referred to in the PDD are correctly quoted and interpreted. If relevant, the DOE shall cross check the information provided in the PDD with other available information from public sources or local experts.

(iii) Reporting requirements

144. In the validation report, the DOE shall provide a statement whether the selection of carbon pools is in accordance with the applied approved methodology, and if the methodology allows for the option to exclude certain pools and the option is selected by PPs, whether the exclusion is justified for the project activity.

(d) <u>Eligibility of land</u>

(i) Requirement to be validated

145. Project participants shall provide evidence that the land within the planned project boundary is eligible for a proposed A/R CDM project activity following the most recent version of the "Procedures to demonstrate the eligibility of land for A/R CDM project activities".

(ii) Means of validation

146. The DOE shall validate, based on review of information that reliably discriminates between forest and non-forest land according to the particular thresholds adopted by the host country (exemplary sources are listed in the abovementioned procedures) and a site visit, that the area of land included within the project boundary is eligible for afforestation or reforestation activity.

⁴¹ See paragraph 28 of the report of the meeting http://cdm.unfccc.int/EB/038/eb38rep.pdf>.

⁴⁰ See paragraph 1(a) of the modalities and procedures for afforestation or reforestation project activities.



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(iii) Reporting requirements

147. In the validation report, the DOE shall describe how the validation of the eligibility of the land has been performed, by detailing the data sources assessed and by describing its observations during a site visit process. The DOE shall provide a statement whether the entire land within the project boundary is eligible for a proposed A/R CDM project activity.

(e) Approach proposed to address non permanence

- (i) Requirement to be validated
- 148. Project participants shall specify the approach proposed to address non permanence in accordance with paragraph 38 of the modalities and procedures for afforestation or reforestation CDM project activities.

(ii) Means of validation

149. The DOE shall review the PDD to ensure an approach to address non permanence is selected according to the provisions of the modalities and procedures for afforestation or reforestation CDM project activities.

(iii) Reporting requirements

- 150. The validation report shall describe the approach proposed by the project participants to address non permanence.
- (f) Timing of management activities, including harvesting cycles, and verifications
 - (i) Requirement to be validated
- 151. Project participants shall plan management activities, including harvesting cycles, and verifications such that a systematic coincidence of verification and peaks in carbon stocks would be avoided.

(ii) Means of validation

152. The DOE shall review the forest management plan and the monitoring plan for the proposed A/R CDM project activity to ensure that a systematic coincidence of verification and peaks in carbon stocks is avoided.

(iii) Reporting requirements

- 153. The validation report shall describe how the project participants have ensured that a systematic coincidence of verification and peaks in carbon stocks would be avoided.
- (g) <u>Socio-economic and environmental impacts, including impacts on biodiversity and natural ecosystems</u>

(i) Requirement to be validated

154. Project participants shall submit to the DOE documentation on their analysis of the socio-economic and environmental impacts, including impacts on biodiversity and natural ecosystems, and





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impacts outside the project boundary of the proposed afforestation or reforestation project activity under the CDM⁴².

(ii) Means of validation

- 155. The DOE shall confirm, by means of a document review and/or using local official sources and expertise, whether the project participants have undertaken an analysis of the socio-economic and environmental impacts, including impacts on biodiversity and natural ecosystems, and impacts outside the project boundary.
- 156. Should the above-mentioned analysis lead to conclusion that any negative impact that may be considered significant by the project participants or the host Party was detected then the DOE shall, by means of document review, ensure that a socio-economic impact assessment and/or an environmental impact assessment has been conducted in accordance with relevant host Party regulations and the outcome is accurately summarized in the PDD.

(iii) Reporting requirements

- 157. The validation report shall describe whether the project participants have undertaken an analysis of the socio-economic and environmental impacts and, if required by the host Party, the socio-economic and/or environmental impact assessments in accordance with relevant host Party regulations.
 - 4. Project design of small-scale afforestation or reforestation project activities
- 158. Small-scale afforestation or reforestation CDM project activities shall be validated using the requirements for afforestation or reforestation CDM project activities as described in section 3 above while taking into account the simplified modalities and procedures for small-scale afforestation and reforestation CDM project activities⁴³.
- 159. During its validation of a proposed small-scale A/R CDM project activity the DOE shall determine whether:
 - (a) The project activity qualifies as a proposed small-scale A/R CDM project activity and complies with the thresholds for the proposed small-scale A/R projects;
 - (b) The project activity complies with one of the types of small-scale A/R project activities defined in appendix B of the annex to decision 6/CMP.1. It qualifies to apply a simplified baseline and monitoring methodology for this project type and the methodology has been applied correctly;
 - (c) The proposed CDM project activity is not a part of a debundled large-scale A/R project activity, in accordance with the rules defined in appendix C of the annex to decision 6/CMP.1;
 - (d) The proposed CDM project activity has been developed or implemented by low-income communities and individuals as confirmed by the host Party.

⁴² In accordance with paragraph 12 (c) modalities and procedures for afforestation or reforestation CDM project activities, if any negative impact is considered significant by the project participants or the host Party, project participants shall undertake a socio-economic impact assessment and/or an environmental impact assessment in accordance with the procedures required by the host Party.

⁴³ Annex to Decision 6/CMP.1



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5. Programme of activities

160. The CDM Executive Board has provided guidance and procedures for registering a programme of activities (PoA) as a single proposed CDM project activity⁴⁴. In validating a PoA and CPAs proposed to be included in the PoA, the DOE shall apply the means of validation and reporting requirements described in this Manual.⁴⁵

6. Renewal of crediting period

161. When contracted to validate a proposed CDM project activity for a second or further crediting period, the DOE shall undertake a thorough reassessment of the validity of the original baseline⁴⁶ or any updates thereto proposed by the project participants. This assessment shall be based on the latest version of the procedures for renewing the crediting period⁴⁷, the latest applicable version of approved methodology and the means of validation described in this Manual.

7. Changes to the start date of the crediting period

- 162. The CDM Executive Board has provided procedures for requesting post-registration changes to the start date of the crediting period⁴⁸. If project participants wish to delay the start date of the crediting period by more than one year, the DOE shall validate the baseline scenario in accordance with chapter V, section E, subsection 5(d) above.
- 163. The validation report shall contain a description of the progress made in project implementation. Further, the DOE shall validate that the project participants have obtained written confirmation from the host Party that the delay will not alter the project's contribution to sustainable development.

G. Validation report

- 164. The validation report shall include the DOE's final validation opinion (see paragraphs 167-168 below).
- 165. The report shall:
 - (a) State the DOE's conclusions regarding the proposed CDM project activity's conformity with applicable CDM requirements;
 - (b) Give an overview of the validation activities carried out by the DOE in order to arrive at the final validation conclusions and opinion, including a general discussion of details captured by the validation protocol and conclusions related to CDM requirements;
 - (c) Reflect the results of the dialogue between the DOE and the project participants, as well as any adjustments made to the project design following stakeholder consultation. It shall reflect the responses to CARs and CLs, and discussions on and revisions to project documentation.

^{44 &}lt;a href="http://cdm.unfccc.int/Reference/Procedures/PoA">http://cdm.unfccc.int/Reference/Procedures/PoA proc01 v02.pdf>

⁴⁵ The CDM Executive Board will update this Manual as further experience is gained in validating and registering PoAs. The Board therefore welcomes feedback from DOEs on applying the existing guidance in their initial PoA validation activities

⁴⁶ See annex 43 of EB 36 report http://cdm.unfccc.int/Reference/Procedures/reg_proc04_v03.pdf

^{47 &}lt;a href="http://cdm.unfccc.int/Reference/Procedures/reg_proc04_v03.pdf">http://cdm.unfccc.int/Reference/Procedures/reg_proc04_v03.pdf

^{48 &}lt;a href="http://cdm.unfccc.int/EB/024/eb24">http://cdm.unfccc.int/EB/024/eb24 repan31.pdf>.

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- 166. The validation report shall provide at least the following:
 - (a) A summary of the validation process and its conclusions;
 - (b) All the DOE's applied approaches, "findings and conclusions, especially on: baseline selection, additionality, emission factors and monitoring", 49
 - (c) Information on the global stakeholders consultation carried out by the DOE prior to submitting the project for validation, including dates and how comments received have been taken into consideration by the DOE;
 - (d) A list of interviewees and documents reviewed;
 - (e) Details of the validation team;
 - (f) Information on quality control within the team/of the validation process;
 - (g) Appointment certificates or curricula vitae of the DOE's validation team members.

H. Validation opinion

- 167. The DOE shall provide either:
 - (a) A positive validation opinion in its validation report that is submitted as a request for registration; or
 - (b) A negative validation opinion in its validation report explaining the reason for its opinion if the DOE determines that the proposed CDM project activity does not to fulfil applicable CDM requirements. In accordance with paragraph 40 (e) (ii) of the CDM Modalities and Procedures the DOE shall provide this validation report to the project participants, and in accordance with paragraph 14 of the "Procedures for processing and reporting on validation of CDM project activities" (EB40, Annex 20) the DOE shall notify the Executive Board that such a validation report has been issued.
- 168. The opinion shall include at least the following:
 - (c) A summary of the validation methodology and process used and the validation criteria applied;
 - (d) A description of project components or issues not covered by the validation process;
 - (e) A summary of the validation conclusions;
 - (f) A statement on the validation of the expected emission reductions.
 - (g) A statement whether the proposed CDM project activity meets the stated criteria.

⁴⁹ http://cdm.unfccc.int/Reference/Procedures/reg_proc05_v01.pdf

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VI. CDM Verification requirements based on paragraph 62 of the CDM modalities and procedures

A. Objective of verification

- 169. In carrying out its verification work, the DOE shall ensure that the project activity complies with the requirements of paragraph 62 of the CDM modalities and procedures.
- 170. Based on the applicable requirements of paragraph 62 of the CDM modalities and procedures, this assessment shall:
 - (a) Ensure that the project activity has been implemented and operated as per the registered PDD and that all physical features (technology, project equipment, and monitoring and metering equipment) of the project are in place;
 - (b) Ensure that the monitoring report and other supporting documents provided are complete and verifiable and in accordance with applicable CDM requirements;
 - (c) Ensure that actual monitoring systems and procedures comply with the monitoring systems and procedures described in the monitoring plan and the approved methodology;
 - (d) Evaluate the data recorded and stored as per the monitoring methodology.

B. Verification approach

- 171. The DOE shall assess and verify that the implementation of the project activity and the steps taken to report emission reductions comply with the CDM criteria and relevant guidance provided by the CMP and the CDM Executive Board.
- 172. This assessment shall involve a review of relevant documentation as well as an on-site visit(s) in accordance with paragraphs 59-62 above. The information to be verified is described in paragraph 174 below.
- 173. The DOE's verification of the project documentation provided by the project participant shall be based upon both quantitative and qualitative information on emission reductions. Quantitative information comprises the reported numbers in the monitoring report submitted to the DOE. Qualitative information comprises information on internal management controls, calculation procedures, procedures for transfer of data, frequency of emissions reports, and review and internal audit of calculations.
- 174. In addition to the monitoring documentation provided by the project participants, the DOE shall review:
 - (a) The registered PDD, including the monitoring plan and the corresponding validation report;
 - (b) Previous verification reports, if any;
 - (c) The applied monitoring methodology;
 - (d) Relevant decisions, clarifications and guidance from the CMP and the CDM Executive Board;



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- (e) Any other information and references relevant to the project activity's resulting emission reductions (e.g., IPCC reports, data on electricity generation in the national grid or laboratory analysis and national regulations).
- 175. In addition to reviewing the monitoring documentation, the DOE shall confirm that the project participants have addressed FARs identified during validation.

C. Verification methods

1. Means of verification

- 176. The DOE shall apply standard auditing techniques to assess the quality of the information, including but not limited to:
 - (a) Desk review, involving:
 - (i) Review of the data and information presented to verify their completeness;
 - (ii) Review of the monitoring plan and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures;
 - (iii) Evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions;
 - (b) On-site assessment involving:
 - (i) Assessment of the implementation and operation of the proposed CDM project activity as per the registered PDD;
 - (ii) Review of information flows for generating, aggregating and reporting the monitoring parameters;
 - (iii) Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan in the PDD;
 - (iv) A cross-check between information provided in the monitoring report and data from other sources such as plant log books, inventories, purchase records or similar data sources;
 - (v) A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PDD and the selected methodology;
 - (vi) Review of calculations and assumptions made in determining the GHG data and emission reductions;
 - (vii) Identification of quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters.



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2. Quality of evidence

- 177. When verifying the reported emission reductions, the DOE shall ensure that there is a clear audit trail that contains the evidence and records that validate or invalidate the stated figures. It shall include the source documents that form the basis for assumptions and other information underlying the GHG data.
- 178. Matters to address when assessing the audit trail include:
 - (a) Whether sufficient evidence is available, both in terms of frequency (time period between evidence) and in covering the full monitoring period;
 - (b) The source and nature of the evidence (external or internal, oral or documented, etc.);
 - (c) If comparable information is available from sources other than that used in the monitoring report, then the DOE shall cross check the monitoring report against the other sources to confirm that the stated figures are correct.
- 179. The DOE shall assess that the data collection system meets the requirements of the monitoring plan as per the applied methodology.
- 180. The DOE shall only certify emission reductions that are based upon verifiable evidence.
 - 3. Clarification requests, corrective action requests and forward action requests
- 181. The DOE, during its verification, shall identify issues related to the monitoring, implementation or operations of the proposed CDM project activity that could impair the capacity of the proposed CDM project activity to achieve emission reductions or influence the reporting of emission reductions. The DOE shall identify, discuss and conclude these issues in the verification report.
- 182. The DOE shall raise a CAR if one of the following occurs:
 - (a) Non-conformities with the monitoring plan or methodology are found in monitoring and reporting, or if the evidence provided to prove conformity is insufficient;
 - (b) Mistakes have been made in applying assumptions, data or calculations of emission reductions which will impair the estimate of emission reductions;
 - (c) Issues identified in a FAR during validation to be verified during verification have not been resolved by the project participants.
- 183. The DOE shall raise a clarification request (CL) if information is insufficient or not clear enough to determine whether the applicable CDM requirements have been met.
- 184. All CARs and CLs raised by the DOE during verification shall be resolved prior to submitting a request for issuance.
- 185. The DOE shall raise a FAR during verification for actions if the monitoring and reporting require attention and/or adjustment for the next verification period.
- 186. The DOE shall report on all CARs, CLs and FARs in its verification report. This reporting shall be undertaken in a transparent manner that allows the reader to understand the nature of the issue raised,



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the nature of the responses provided by the project participants, the means of verification of such responses and clear references to any resulting changes in the monitoring report or supporting annexes.

D. Verification of specific requirements

- 1. Project implementation in accordance with the registered project design document
- (i) Requirement to be verified
- 187. CDM project activities shall have been implemented and operated as per the registered PDD.⁵⁰
 - (ii) Means of verification

188. The DOE shall, by means of an on-site visit, ensure that all physical features of the proposed CDM project activity proposed in the registered PDD are in place and that the project participants has operated the proposed CDM project activity as per the registered PDD, taking into account relevant guidance on this matter⁵¹. The DOE shall verify the implementation of the proposed CDM project activity against the description in the PDD.⁵² If an on-site visit is not conducted, the DOE shall justify the rationale of the decision.

(iii) Reporting requirements

- 189. For each monitoring period, the verification report shall describe:
 - (a) The implementation status of the project. For project activities that consist of more than one site, the report shall clearly describe the status of implementation and starting date of operation for each site. For CDM project activities with phased implementation, the report shall indicate the progress of the proposed CDM project activity achieved in the each phase under verification;
 - (b) The actual operation of the proposed CDM project activity;
 - (c) Information (data and variables) provided in the monitoring report that is different from that stated in the registered PDD and has caused an increase in estimates of the emission reductions in the current monitoring period or is highly likely to increase the estimates of emission reductions in the future monitoring periods⁵³.

⁵⁰ Paragraph 62 (g) of the CDM modalities and procedures stipulates that: the DOE/AE contracted by the project participants to perform the verification shall make the monitoring report publicly available, and identify and inform the project participants of any concerns related to the conformity of the actual project activity and its operation with the registered project design document.

Paragraph 75 of the report of the thirty-third meeting of the CDM Executive Board http://cdm.unfccc.int/EB/033/eb33rep.pdf states that "project participants are required to operate registered project activities in accordance with the registered PDD and any monitoring plan revised in accordance with paragraph 57 of the CDM modalities and procedures."

paragraph 57 of the CDM modalities and procedures."

52 This, for example, may include the actual capacity and output of GHG emission reducing unit(s) or plant(s), plant load factor, type of feedstock, and the operation of other components or units within the project boundary that may impact the emission reductions.

⁵³ Discrepancies may include higher water availability than expected in the PDD, which may increase the electricity output from a hydropower plant, or a higher plant load factor owing to higher bagasse availability during the crushing season, which increases the production of steam and electricity.





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- 2. Compliance of the monitoring plan with the monitoring methodology
- (i) Requirement to be verified
- The monitoring plan of the proposed CDM project activity shall be in accordance with the 190. applied methodology.5
 - (ii) Means of verification
- 191. The DOE shall verify that the validated monitoring plan is in accordance with the approved methodology applied by the proposed CDM project activity.
- 192. If during verification, the DOE concludes that the monitoring plan is not in accordance with the monitoring methodology, the DOE shall request a revision to the monitoring plan⁵⁵ prior to concluding its verification and making its certification decision. The DOE may request for revision of the monitoring plan covering the monitoring period under verification, for approval by the Board⁵⁶.
- For monitoring aspects that are not specified in the methodology, particularly in the case of small-scale methodologies (e.g. additional monitoring parameters, monitoring frequency and calibration frequency), the DOE is encouraged to bring to the attention of the Board issues which may contribute in enhancing the level of accuracy and completeness of the monitoring plan.
 - (iii) Reporting requirements
- 194. The verification report shall provide a statement that the monitoring plan is in accordance with the approved methodology applied by the proposed CDM project activity or that the necessary revision or deviation to the monitoring plan has been sought and approved by the CDM Executive Board.
 - 3. Compliance of monitoring with the monitoring plan
 - (i) Requirement to be verified
- 195. Monitoring of reductions in GHG emissions to result from the proposed CDM project activity shall be implemented in accordance with the monitoring plan contained in the registered PDD⁵⁷ or the accepted revised monitoring plan⁵⁸.

⁵⁶ Paragraph 58 of the report of the forty -third meeting of the CDM Executive Board http://cdm.unfccc.int/EB/043/eb43rep.pdf.

⁵⁴ Paragraph 84 of the report of the thirty-third meeting of the CDM Executive Board

http://cdm.unfccc.int/EB/033/eb33rep.pdf> states that "the Board requested that DOEs take note of the requirements of paragraph 2 of the 'Procedures for revising monitoring plans in accordance with paragraph 57 of the modalities and procedures for the CDM', and requested DOEs to confirm in all verification reports that the monitoring plan of the project activity is in accordance with the relevant approved methodology."

⁵⁵ See annex 34 to the report of the twenty-sixth meeting of the CDM Executive Board

http://cdm.unfccc.int/EB/026/eb26 repan34.pdf> for procedures for revising monitoring plans.

⁵⁷ In accordance with paragraph 56 of CDM modalities and procedures "Project participants shall implement the monitoring plan contained in the registered project design document."

⁵⁸ Paragraph 56 of CDM modalities and procedures, and annex 34 to the report of the twenty-sixth meeting of the CDM Executive Board < http://cdm.unfccc.int/EB/026/eb26 repan34.pdf> for procedures for revising monitoring plans



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(ii) Means of verification

196. The DOE shall confirm that:

- (a) The monitoring plan and the applied methodology have been properly implemented and followed by the project participants;
- (b) All parameters stated in the monitoring plan, the applied methodology and relevant CDM Executive Board decisions⁵⁹ have been sufficiently monitored and updated as applicable, including:
 - (i) Project emission parameters;
 - (ii) Baseline emission parameters;
 - (iii) Leakage parameters;
 - (iv) Management and operational system: the responsibilities and authorities for monitoring and reporting are in accordance with the responsibilities and authorities stated in the monitoring plan.
- (c) The accuracy of equipment used for monitoring is in accordance with the relevant guidance provided by the CDM Executive Board and is controlled and calibrated in accordance with the monitoring plan;
 - (i) Monitoring results are consistently recorded as per approved frequency;
 - (ii) Quality assurance and quality control procedures have been applied in accordance with the monitoring plan.

(iii) Reporting requirement

- 197. The verification report shall indicate that monitoring has been carried out in accordance with the monitoring plan contained in the registered PDD or the accepted revised monitoring plan. The report shall list each parameter required by the monitoring plan and clearly state how the DOE has verified the values in the monitoring reports.
 - 4. Assessment of data and calculation of greenhouse gas emission reductions
 - (i) Requirement to be validated
- 198. GHG emission reductions achieved by/resulting from the proposed CDM project activity shall be calculated applying the selected methodology.
 - (ii) Means of verification
- 199. The DOE shall determine whether:
 - (a) A complete set of data for the specified monitoring period is available. If only partial data are available because activity levels or non-activity parameters have not been

⁵⁹ For example, a decision at the thirty-fifth meeting of the CDM Executive Board provides clarification for the project activities that apply the approved methodology AM0001. This asks the DOE to check the value of "w" based on the past one year period during verification, which was not clearly stated in the approve methodology.



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- monitored in accordance with the registered monitoring plan, the DOE shall opt to either make the most conservative assumption theoretically possible in finalizing the verification report⁶⁰, or raise a request for deviation if appropriate;
- (b) Information provided in the monitoring report has been cross-checked with other sources such as plant log books, inventories, purchase records, laboratory analysis;
- (c) Calculations of baseline emissions, proposed CDM project activity emissions and leakage, as appropriate, have been carried out in accordance with the formulae and methods described in the monitoring plan and the applied methodology document;
- (d) Any assumptions used in emission calculations have been justified;
- (e) Appropriate emission factors, IPCC default values and other reference values have been correctly applied.
- (iii) Reporting requirement
- 200. The verification report shall contain:
 - (a) An indication whether data were not available because activity levels or non-activity parameters were not monitored in accordance with the registered monitoring plan as well as any actions taken by the DOE to ensure that the most conservative assumption theoretically possible has been made;
 - (b) A description of how the DOE cross-checked reported data;
 - (c) A confirmation that appropriate methods and formulae for calculating baseline emissions, project emissions and leakage have been followed; and
 - (d) An opinion if the assumptions, emission factors and default values that were applied in the calculations have been justified.

E. Additional verification activities

1. Background

201. Project participants may contract a DOE to undertake certain specific verification activities. The DOE shall apply the general means of verification and follow the reporting requirements described in chapter VI, section C and D above in carrying out these activities as well as the provisions of this section of the Manual.

2. Request for deviation

202. If the project participants have deviated from the provisions of the registered monitoring plan)⁶¹, the DOE shall submit a request for deviation before providing its verification conclusion or making its certification decision.

⁶⁰ For details see paragraph 109 (b) of the report of the twenty-sixth meeting of the CDM Executive Board http://cdm.unfccc.int/EB/026/eb26rep.pdf>.

⁶¹ The procedures for requests for deviation are contained in annex 30 to the report of the twenty-fourth meeting of the CDM Executive Board http://cdm.unfccc.int/EB/024/eb24 repan30.pdf>.



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- 203. A request for deviation is appropriate only if a change in the procedures for estimating or monitoring emissions was required due to a change in the conditions or circumstances of the proposed CDM project activity after it was registered as a proposed CDM project activity. The deviation shall be project-specific and shall not deviate from the methodology to the extent that a revision of the methodology would be required.
- 204. A request for deviation is not suitable if:
 - (a) The monitoring plan is not in accordance with the monitoring methodology applied by the project activity;
 - (b) The version of the approved methodology selected by the proposed CDM project activity is no longer valid;
 - (c) The request would result in revisions to the approved methodology;
 - (d) The request would result in a change in default parameter values other than those given in the approved methodology.
- 205. A request for deviation that is approved by the CDM Executive Board applies only to the monitoring period under verification. If the deviation from the provisions contained in the project documentation is to continue in future monitoring periods, the DOE shall submit a request for revision of the monitoring plan⁶².
- 206. The verification report shall determine whether and how the monitoring report reflects the application of the approved guidance from the CDM Executive Board regarding the request for deviation.

3. Request for revision of the monitoring plan

- 207. If the monitoring plan is not in accordance with the monitoring methodology applied to the proposed CDM project activity,⁶³ the DOE shall submit a request for revision of the monitoring plan before/prior to providing its verification conclusion or making its certification decision.
- 208. The DOE shall ensure that the level of accuracy and completeness in the monitoring and verification process will not be reduced as a result of the proposed revision.
- 209. The verification report shall determine whether and how the monitoring report reflects the application by the project participants of the approved guidance from the CDM Executive Board regarding the request for revision of the monitoring plan.
 - 4. <u>Differences between requests for deviation and requests for revision of the monitoring plan</u>
- 210. The table below illustrates the differences between requests for deviation and requests for revision of the monitoring plan.

⁶² Paragraph 58 of the report of the forty -third meeting of the CDM Executive Board http://cdm.unfccc.int/EB/043/eb43rep.pdf>.

⁶³ The procedures for revising monitoring plans are contained in annex 34 to the report of the twenty-sixth meeting of the CDM Executive Board http://cdm.unfccc.int/EB/026/eb26 repan34.pdf>.



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Comparison between requests for deviation and requests for revision of the monitoring plan

	Request for deviation	Request for revision of the monitoring plan
Definition A formal request for guidance from the		A formal request to the CDM
	Executive Board of the clean	Executive Board to revise the
	development mechanism regarding	monitoring plan to comply with the
	deviations from provisions of the	monitoring methodology or to improve
	registered project documentation for the	accuracy and/or completeness of
	verified period only ⁶⁴	information
Required	- Request for deviation form ^a	- Revised monitoring plan
documents	- Other relevant documents	- The DOE's validation opinion
		- Other relevant documents
Submission	Via a dedicated web interface	Via a web interface or an email from
		the DOE

Note: Requests for deviation or revision of the monitoring plan cannot be used to request guidance on changes in the project design from the project design document.

F. Verification report

- 211. Following the principle of transparency, the verification report shall give an overview of the verification process used by the DOE in order to arrive at its verification conclusions. All verification findings shall be clearly identified and justified.
- 212. The verification report shall provide the following:
 - (a) A summary of the verification process and the scope of verification;
 - (b) Details of the verification team;
 - (c) Findings of the desk review and site visit;
 - (d) All the DOE's findings and conclusions as to whether the proposed CDM project activity has been implemented in accordance with the PDD, the compliance of the monitoring plan with the monitoring methodology, the compliance of monitoring with the monitoring plan and assessment of data and calculation of GHG emission reductions;
 - (e) A list of each parameter specified by the monitoring plan and a clear statement on how the values in the monitoring report have been verified;
 - (f) Assessment and close out of any CARs, CLs or FARs issued to the project participants;
 - (g) Assessment of remaining issues from the previous verification period, if appropriate;
 - (h) Conclusion on the verified amount of emission reductions achieved.
- 213. The DOE shall describe all documentation supporting verification in the verification report and make it available on request.

^a The form shall provide clear and precise assessment and description of the impact of the deviation on the emission reductions achieved by the project activity for the Executive Board to evaluate.

⁶⁴ See annex 30 of EB 24 report http://cdm.unfccc.int/Reference/Procedures/reg proc03 v02.pdf



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G. Certification Report

- 214. Certification is the written assurance by the DOE that, during a specified time period, a proposed CDM project activity achieved/resulted in the reductions in anthropogenic emissions by sources of GHGs as verified.
- 215. The certification report shall constitute a request for issuance to the CDM Executive Board of CERs based on the verified amount of emission reductions stated in the verification report.

History of the document

Version	Date	Nature of revision
01	EB 44 Annex 03,	Initial adoption
	28 November 2008	