



**Approved baseline and monitoring methodology /
methodological tool clarification response form
(Version 02.0)**

INFORMATION TO BE COMPLETED BY THE SECRETARIAT OR PANEL/ WG

Date and number of Panel/ WG meeting:	25–28 August 2014, SSC WG 45
Title/Subject of the request for clarification:	Clarification on the requirement to monitor continued use of baseline stoves under AMS-II.G
Reference number of the request for clarification:	SSC_711
Exact reference (number, title and version) of the methodology or methodological tool to which the request for clarification applies:	“AMS-II.G: Energy efficiency measures in thermal applications of non-renewable biomass” - Version 6.0
Fast track or Regular track:	<input type="checkbox"/> Fast track <input checked="" type="checkbox"/> Regular track

Summary of the request for clarification

Original text from the PP:

In para. 13 of AMS-II.G, version 6, equation 2, the parameter $\mu_{y,i}$ is introduced, referring to the number of days of usage of the project device per year. According to the provisions in this paragraph, "its value may be considered as 365 where it can be demonstrated that the pre-project device has been decommissioned and is no longer used, otherwise it shall be determined as per paragraphs 22-24"

Our request:

The methodology offers the option to do a water boiling test and to apply equation 6 (para. 17), in order to derive at the parameter $B_{y,savings,i,a}$. For this, the quantity of woody biomass used by the project devices ($B_{y=1,new,i,survey}$) is determined through a survey.

The quantification of $B_{y=1,new,i,survey}$ necessarily has to consider the usage of project devices, including the days of usage. It would therefore be redundant to include an additional factor $\mu_{y,i}$.

Furthermore, if equation 6 is applied and if $B_{y=1,new,i,survey}$ is determined by a survey according to the conditions described in para. 17, there is no need to monitor the continuous use of the baseline stove as described in paragraph 22-24, since only the woody biomass used in the project devices and its efficiency are relevant for determining the Emission Reductions.

We would therefore like to ask for confirmation that it is acceptable to set $\mu_{y,i}$ to 365, if stove efficiency is determined by a water boiling test and if equation 6 is applied.

We further ask for confirmation that it is acceptable to not monitor a possible continued use of baseline stoves as described under para 22-24 if equation 6 is applied.

Further specifications: In the planned activity, batch-loaded microgasifier stoves will be distributed, generating charcoal along with cooking. Traditional mud-stoves will however not be destroyed and may still be used in special occasions. $B_{y=1,new,i,survey}$ will be determined by a survey (according to the criteria of the sampling standard) that includes two different measurement campaigns: The average weight of a filling of the TLUD will be measured and users will be asked to specify the number of fillings for each daily meal and the days of usage per week. Additionally, the amount of charcoal generated will be measured continuously when it is collected from users to be sold to barbecue restaurants and comparable users; $B_{y=1,new,i,survey}$ will be determined based on the average rate of conversion of biomass to charcoal, which will also be measured. Results will be checked for plausibility and $B_{y=1,new,i,survey}$ will be determined in a conservative way.

We furthermore would like to indicate a small typo: In para 21: $U_{y,i}$ is apparently written instead of $\mu_{y,i}$.

Additionally, in para. 17, it reads as if both conditions (a) and (b) for the survey had to be met together. It

does however seem that they are meant to be exclusive options, since (b) includes non-project devices, while under (a), non-project devices would have to be decommissioned. Maybe this could be clarified.

Clarification by the secretariat or Panel/ WG

The Small-Scale Working Group (SSC WG) of the Executive Board (hereinafter referred to as the Board) of the clean development mechanism (CDM) would like to thank the author for the submission.

The SSC WG noted that the proposed project activity as mentioned in the submission will not be in a position to completely displace the traditional stove used in the pre project scenario. Thus, it is the opinion of the SSC WG that the use of woody biomass in the traditional mud-stoves should be determined as per paragraph 22 to 24 of the methodology, and that when such baseline devices are still used in the crediting period, only the biomass consumed by the new project devices $B_{y=1,new,i,survey}$ should be used in equation 6. Therefore, the SSC WG would like to clarify that it is not acceptable to set $\mu_{y,i}$ to 365, if stove efficiency is determined by a water boiling test and equation 6 is applied; and also it is required to monitor a possible continued use of baseline stoves as described under paragraph 22 to 24 if equation 6 is applied.

The SSC WG further noted in the submission that “ $B_{y=1,new,i,survey}$ will be determined by a survey (according to the criteria of the sampling standard) that includes two different measurement campaigns”. Thus, the submitter may wish to explore for expanding the same survey to cover the utilization of baseline stoves. Also, it should be noted that paragraph 22 of the methodology provides two options to account for $\mu_{y,i}$, i.e. surveys may be conducted as an alternative to measurement campaign. If project proponents wish to account for $\mu_{y,i}$ through the use of interviews/questionnaires, the following simplified accounting method may be used:

- (a) the days where only project stoves are used are counted;
- (b) the days where only baseline stoves are used are not counted; and
- (c) the days where both devices are used may be counted as 0.5.

The SSC WG would like to thank the submitter for pointing out the typo in paragraph 21 of the methodology which uses $U_{y,i}$ instead of $\mu_{y,i}$. The SSC WG will propose an editorial correction accordingly in the future revision of the methodology.

The SSC WG, with regard to conditions provided in paragraph 17 of the methodology, would like to clarify that the condition (b) is not intended to cover the case when both the project device and baseline device are used, but the case when the efficient appliance the project activity introduces is not the only woody biomass consuming device. For example, two or more efficient project devices may be used to replace the baseline device that is decommissioned (for example, when the project activity introduces one device for cooking or boiling water within a pot and the other for cooking bread, or when the project introduces an efficient cook-stove to attend all the demand for cooking in the household, but the woody biomass continues to be used for another service, e.g. for room heating). When the condition (a) is not met, baseline and project devices will be simultaneously used to attend to the demand for cooking services in the household. In this situation, the SSC WG would like to clarify that the parameter $B_{y=1,new,i,survey}$ shall be determined by direct measurement campaign, not by interviews/questionnaires, since the users normally don't record the amount of woody biomass utilized in each individual devices used for daily cooking. Only when the baseline devices are fully decommissioned, it may be assumed that the total biomass consumed by the users for cooking purposes has been totally fired in the project activity device(s), therefore the parameter can be determined by means of interviews/questionnaires.

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Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
02.0	18 July 2013	Revised to remove the row “Date and signature of the chair and vice chair of Panel/WG (in case of clarification by Panel/WG)”
01.0	4 July 2013	Initial publication. This document supersedes and replaces the following documents: <ul style="list-style-type: none">• Recommendation Form for Small Scale Methodologies (F-CDM-SSCwg) (Version 01.1)• Recommendation Form for Small Scale A/R Methodologies and Procedures (F-CDM-SSC-AR) (Version 01.1)
Decision Class: Regulatory Document Type: Form, Clarification Business Function: Methodology Keywords: applying methodologies and tools		