



**Approved baseline and monitoring methodology /
methodological tool clarification response form
(Version 03.0)**

INFORMATION TO BE COMPLETED BY THE SECRETARIAT OR PANEL / WG

Date and number of Panel / WG meeting:	N/A
Title/Subject of the request for clarification:	Clarification on frequency of monitoring of oi (operating hours of project lamps) and ni (number of project lamps that are operational during time interval t); under AMS-II.C.
Reference number of the request for clarification:	SSC_740
Exact reference (number, title and version) of the methodology or methodological tool to which the request for clarification applies:	AMS-II.C. Demand-side energy efficiency activities for specific technologies --- Version 15.0
Fast track or Regular track:	<input checked="" type="checkbox"/> Fast track <input type="checkbox"/> Regular track

Summary of the request for clarification

Original text from the Stakeholder:

This query is related to project activities involving one to one replacement of inefficient incandescent bulbs (ICLs) with energy efficient LEDs and which apply small scale methodology AMS II.C; Version 15.0.

Equation 8 of the methodology requires monitoring of following parameters

1. oi - operating hours of group of i project devices in the time interval t in year y .
2. ni - number of group i project devices operating in time interval t year y .

We have the following views –

According to clarification SSC-401, “With respect to determining operating hours for projects involving one for one replacement of incandescent (IC) lamps with CFLs, it can be assumed that the baseline operating hours of the IC lamps are equal to the project operating hours of the CFL lamps. In such cases the operating hours of the project and baseline lamps can be determined using annual surveys during the project period. Monitoring requirements indicated in current versions of AMS-II.J and any related AMS-II.J clarifications may be used as guidance for monitoring requirements.”

Current Version of AMS II. J states that “To use a value for ‘daily operating hours’ other than 3.5 hrs/day, a continuous measurement of usage hours of baseline or project lamps for a minimum of 90 days at representative sample households is required”.

Hence our understanding is that the monitoring for operational hours should be continuous one chosen by project proponent as per the sampling guidelines.

Again, for number of installed & operating project lamps (ni)– Paragraph 41 of AMS II. C. requires project proponent to perform annual checks on sample of non-metered system to ensure that they are still operating. Thus, this is annual monitoring.

In view of the above understanding, we request EB to confirm whether monitoring for parameters oi and ni need to be carried out annually or the project promoter can decide the monitoring period based on cost and convenience.

Additional clarification submitted 07-Aug-18

Dear CDM Team, we confirm that our clarification is for CPAs involving efficient lighting projects in residential premises.

The PoA under which the CPA is being developed covers both residential as well as commercial

applications and hence we have used methodology AMS II.C. However the CPA in question will implement the efficient lighting technology only in households so according to clarification SSC_401, can we follow monitoring requirements of project lamp operating hours as indicated in current version of AMS II.J. which states that ex-post value of average daily operating hours can be determined by a continuous measurement of usage hours of baseline or project lamps for a minimum of 90 days at sample households and this has to be conducted once prior to or along with the first ex-post monitoring.

Clarification by the secretariat or Panel / WG

The secretariat would like to thank the author for the submission. It is noted that the query is in relation to the residential application of efficient lighting technology.

Question 1: Determination of 'operating hours of group of i project devices in the time interval t in year y' (o_i) – In cases where project participant uses daily operating hours' value other than 3.5 hours, the operating hours value shall be determined as per requirements prescribed in paragraph 22 of AMS-II.C, version 15.0, using continuous measurement of usage hours of baseline or project lamps for a minimum of 90 days at a representative sample household. In this case sample survey is required to be conducted once, prior to or concurrent with the first ex-post monitoring survey conducted. It is not required for this survey to be conducted annually.

Question 2: Monitoring of 'number of group i project devices operating in time interval t year y' (n_i) – The secretariat would like to clarify that the parameter n_i is monitored annually as mentioned under paragraph 41 of AMS II.C., version 15.

Both the parameters ' o_i ' and ' n_i ' shall be reported per monitoring period chosen by the project participant in-line with requirement as provided in para 264 (a) of CDM project standard for programmes of activities and in para 261 (a) of CDM project standard for project activities.

Version(s) of the approved methodology / methodological tool to which the clarification is applicable:

AMS-II.C.: Demand-side energy efficiency activities for specific technologies --- Version 15.0

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Document information

Version	Date	Description
03.0	13 May 2016	Revised to include the row "Version(s) of the approved methodology / methodological tool to which the clarification is applicable"
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		