



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

**INFORMATION TO BE COMPLETED BY THE SECRETARIAT OR PANEL / WG**

<b>Date and number of Panel / WG meeting:</b>	N/A
<b>Title/Subject of the request for clarification:</b>	Clarification on application of AMS-II.T. to residential and commercial entities
<b>Reference number of the request for clarification:</b>	SSC_806
<b>Exact reference (number, title and version) of the methodology or methodological tool to which the request for clarification applies:</b>	AMS-II.T. Emission reduction through reactive power compensation in power distribution network --- Version 2.0
<b>Fast track or Regular track:</b>	<input checked="" type="checkbox"/> Fast track <input type="checkbox"/> Regular track

**Summary of the request for clarification**

**Original text from Stakeholder:**

As per the para-2 of the methodology AMS-II.T, Version-02.0, it is stated that

“This methodology covers project activities that improve power factor and reduce energy losses (kWh) in transmission/distribution lines through installation of either new or additional reactive power compensation facilities (RCF) such as at distribution transformer substations in industrial radial-power distribution network or at industrial internal distribution bus bars close to loads.”

Thus the methodology limits the applicability to industrial use only.

However, we are of this opinion that applicability of this same methodology can be extended to residential and commercial use also i.e. if the RCF is being implemented in the transformers feeding to residential and commercial entities, this methodology should be applicable as configuration of the whole system is same as that of configuration involving industrial consumers. Even the Figure-1 of the methodology, depicts industrial/residential/commercial consumers.

This is in context to an RCF implementation project in Kuwait. MEW is the project proponent and they are using RCF, particularly capacitor banks in low voltage distribution network. Through this, power is supplied to residential and commercial consumers.

Thus, we request the CDM Team to kindly expand the applicability for use of residential and commercial consumers as part of distribution network.

**Additional information received from stakeholder on 19/02/2021**

1. What is the maximum load per bus/node at the project facility? Is this load equal to or more than 7 MW or 5MVA per bus/node?

**Reply** - Yes, this load is equal to or more than 7MW or 5MVA per bus node.

2. Is the project facility's metering point located at the primary / high voltage (HV) side of the transformer and the RCF is located at secondary/low voltage (LV) side?

**Reply** - Yes, that's correct

3. Please confirm whether transformer copper losses are not included in the TD loss calculation or a confirmation from the transmission distribution company is required that copper losses associated with facility transformer are excluded from the estimates of TD.

**Reply** - We confirm that transformer copper losses are not included in the TD loss calculation.

**Clarification by the secretariat or Panel / WG**

The Methodologies Panel (Meth Panel) would like to thank the stakeholder for their submission. The Meth Panel clarifies that the methodology is applicable to residential and or commercial facilities if such facilities meet the requirements related to running the simulation model and to calculation of the transformer losses. Further, please note that paragraph 2 of the methodology does not provide an exhaustive list of applicable facilities, but it contains examples of typical applications. Hence in case of application of the methodology to residential and or commercial facilities, the word “industrial facilities” in the methodology may be read as “residential and or commercial facilities”.

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

AMS-II.T.: Emission reduction through reactive power compensation in power distribution network ---  
Version 2.0

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**Document information**

<i>Version</i>	<i>Date</i>	<i>Description</i>
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"> <li>• Recommendation Form for Small Scale Methodologies (F-CDM-SSCwg) (Version 01.1)</li> <li>• Recommendation Form for Small Scale A/R Methodologies and Procedures (F-CDM-SSC-AR) (Version 01.1)</li> </ul>
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