



**CDM: Response form for Request for revision of approved methodologies
(version 01.1)**

<i>Date of Meth Panel meeting:</i>	26 – 30 March 2007
<i>Title and number of Request for revision</i>	To revise ACM0004 taking account of fossil fuel and waste heat recovery boilers supplying one turbine generator. This has been proposed as the measurement of the calorific value of waste heat gases is not possible / AM_REV_0033.
<p>Summary of the query:</p> <p>Please use the space below to summarize the request for revision on the related approved methodologies.</p> <p>ACM0004 requires to measure the electricity produced with the recovered waste gas/heat, in order to determine baseline emissions. If this measurement is not possible, as the waste gas/heat is used together with fossil fuel, then the proportion of the electricity that was produced with the waste gas/heat could be estimated by considering the energy content of the waste gas/heat. It is required in this case, to measure the amount supplied and the net calorific value of the waste gases/heat and fossil fuels.</p> <p>The revision proposes an alternative method that could be used when it is not possible to measure the net calorific value of the waste gas/heat, and steam generated with different fuels are fed to a single turbine.</p> <p>The proposed revision seeks to determine the electricity produced with the waste gas/heat, by adjusting the total production of electricity by the ratio of steam supplied from the waste gas/heat recovery boiler to total steam supplied to the turbine.</p> <p>The revision is robust enough as the properties of steam generated from different sources (temperature and pressure) will be the same.</p>	

Recommendation by the Meth Panel:

(a) Please use the space below to provide amendments /changes (in your expert view, if necessary).

The Meth Panel agrees to the following changes, however it should be noted that the Meth Panel has recommended to the Executive Board (EB) that the methodology ACM0004 should be withdrawn. The Meth Panel, in its 26th meeting has approved a new consolidated methodology for EB's consideration which can be used in place of ACM0004 if approved by EB. The new methodology addresses the issues raised under this request.

The proposed procedure has been applied in the registered project 0394. In the monitoring plan included in the Annex 4, the procedure is described. It should be noted that the procedure includes a step that has not been included in the revision proposal. The vented steam is attributed conservatively to the steam produced with waste gas/heat. The net amount of steam produced with waste gas is calculated as the steam produced with waste gas minus the steam vented. Finally, the ratio to determine the portion of total electricity produced with waste gas/heat is calculated as the net steam produced with waste gas/heat divided by the total steam consumed in the turbine.

The following issues have been considered:

- 1) The revision proposes to eliminate the present additional procedure based on net calorific value measurement. The revision could be considered as an alternative procedure, and therefore there is no need to eliminate the present one.
- 2) The new procedure requires applicability conditions that must be specified in the methodology:
 - Steam generated with different fuels (fossil fuels and waste gas/heat) are fed to a single turbine;
 - Both boilers have to provide superheated steam.
 - The calculation should be based on the energy supplied to the steam turbine. The enthalpy and the steam flow rate must be monitored for each boiler to determine the steam energy content. The calculation implicitly assumes that the properties of steam (temperature and pressure) generated from different sources are the same.
 - Any vented steam should be deducted from the steam produced with waste gas/heat.

(b) Please use the space below for providing guidance, as per Para 93 of EB25 Report, on what type of projects need to revise the PDD as a consequence of the suggested revision, if the recommendation is to revise the methodology.

The revision proposes an alternative way to determine baseline emissions. Therefore there will be no need to revise any type of projects.

Answer to authors of the request for revision by the Meth Panel :

Please use the space below to provide an answer to the authors of the above query

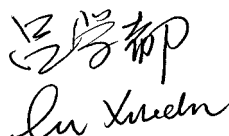
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Signature of the Meth Panel Chair

Date: 30/03/2007

(Akihiro Kuroki)



Signature of the Meth Panel Vice-Chair

Date: 30/03/2007

(Xuedu Lu)

Information to be completed by the secretariat

F-CDM-AM	AM-REV-0033
Name of the authors of the query:	BVQI
Date when the form was received at UNFCCC secretariat	30 March 2007
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