



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

<i>Date of Meth Panel meeting:</i>	23 - 27 June 2008
<i>Title and number of Request for revision</i>	Replacement of SF6 with alternate cover gas in the magnesium industry AM_REV_0095
Summary of the query: Please use the space below to summarize the request for revision on the related approved methodologies.	
<p>The request for revision proposes a new experimental procedure for determination of degradation factor (DF_{SF6}) for SF6 in place of accepting default value of 0.5. Request also highlights various other changes in the methodology, mainly on the measurement of Mg production, determination of most conservative baseline emission factor of SF6 and the Data Integration (DI) factor.</p>	
Recommendation by the Meth Panel: (a) Please use the space below to provide amendments /changes (in your expert view, if necessary).	
<p>Although the project participants have provided a detailed approach to determine the baseline destruction factor, the Meth Panel, based on inputs of experts from the sector, is of the view that a more rigorous procedure than that suggested by the project proponents is necessary in order to measure the destruction rate of SF6 in the baseline situation and in particular to capture the impact of variations in operating conditions. The suggested approach is not appropriate for the following reasons:</p> <ul style="list-style-type: none"> • Difficulty to identify standard operating conditions where the experiments are to be conducted, especially due to the existence of a limited number of studies. The identified operating conditions for conducting the baseline measurements should be monitored in the project activity to make sure that they represent real operating conditions and are not deliberately manipulated to achieve low SF6 destruction rates. More studies are required which covers all possible ranges of conditions/parameters to be able to identify those that can affect the SF6 destruction rate and hence design a suitable baseline measurement campaign. • It is stated that experiments should be repeated as necessary over the cover gas flow rate with and without molten magnesium in place. This assumes that SF6 flow rate and dilution are the only operating parameters that affects SF6 destruction rate. The suggested procedures do not mandate conducting the experiments for all types of alloys, possible range of temperatures and range of feeding rate of the ingots (as this will impact the turbulence). These factors, among others, may affect the SF6 destruction rate. • It is stated that the suggested procedures are only applicable to ingot casting and chilling machines, which would limit the applicability of the methodology. <p>Therefore, Meth Panel recommends not accepting the suggested procedures. Any further suggested experimentation procedure should take into account the above-mentioned issues.</p> <p>The following points are observed in other parts of request:</p> <p>(1) The Meth Panel agrees that the suggested procedure to estimate the baseline emission factor of SF6, based on minimum value of emission factor for three years prior to implementation of project activity, is more conservative and therefore this procedure is accepted.</p>	

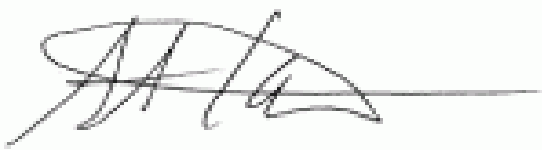
- (2) The Meth Panel does not *accept* the suggestion to remove the cap for consumption of SF6 per ton of magnesium manufactured since this was intentionally included in the methodology to ensure conservativeness.
- (3) Changes suggested for case-2 is *accepted*, which is to remove reference of *each equipment k* and to suggest the same procedure of baseline SF6 emission factor, as in case-1
- (4) Equation 9 in original methodology does not mention summing up for equation k, as claimed by project proponents. The removal of y from summation index is *accepted* as suggested by project proponents.
- (5) There is no need for the changes suggested in equation 10 of project emission (delete *each equipment k in each segment j* in the definition of $C_{ALTGAS,PJ,y}$). The logic behind summing up the consumption of alternate gas per equipment to arrive at the total consumption of alternate gas in each year of the project is correct. Therefore, it is recommended *not to accept* this change.
- (6) There is no need for the changes suggested in equation 11 of project emission (delete *each equipment* in the definition of $C_{SF6,EM,PJ,j}$). The consumption of SF6 per equipment is summed up to come up with the total consumption of alternate gas in each year of the project is correct. Therefore, this change is not accepted .

The project proponents using this methodology, may change the PDD based on the changes made in some of the equations, however these are not fundamental changes and can be easily adapted for. Although, scenarios requiring slight changes in PDD are also less likely as the methodology is approved recently and no project under methodology is submitted for registration so far.

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

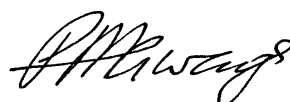
Please use the space below to provide an answer to the authors of the above query

Please see above.



Signature of Meth Panel Chair

Date: 27/06/2008

.....
(Akihiro Kuroki)


Signature of Meth Panel Vice-Chair

Date: 27/06/2008

(Philip Gwage)

Information to be completed by the secretariat

F-CDM-AM	AM_REV_0095
Name of the authors of the query:	TUEV NORD
Date when the form was received at UNFCCC secretariat	27 June 2008
Date of transmission to the EB	27 June 2008
Date of posting in the UNFCCC CDM web site	27 June 2008