

Conditions for Common baseline for bundled SSC Project Activities

EB 20 Dec 62 states *The Board requested the SSC WG to further analyze technical implications regarding the possible bundling of the following cases and prepare recommendations for the consideration of the Board:*

- (a) *Bundling of project activities of the same type, different categories and technologies/measures;*
- (b) *Bundling of project activities of different types.*

Further EB 21 guidance on bundling and WG recommendations have the statement in quotes as below both for

- 1. Bundling of project activities of the same type, same categories and technologies/measures and**
- 2. Bundling of project activities of different types.**

'Project activities may use the same baseline under some conditions (details on these conditions will be further elaborated)';

It may be relatively easy to elaborate conditions for 1 (the issue could be just limited to monitoring and sampling). However for 2 it is much more complex to conceive a common baseline. In table 1 and table 2 an attempt is made to identify project categories where it is not possible to conceive a common baseline for combining two project categories. These have been marked with 'x' in the matrix. In the rest of the cases the possibility of a common baseline (for instance when diesel fuel use is the baseline in both the categories) can not be ruled out but nevertheless difficult to conceive.

Table 1. Project categories and the respective baseline conditions for SSC CDM

Title of the category	Baseline conditions in Appendix B
I.A. Electricity Generation by the user	Fuel consumption of technology in use or would have been used
I.B. Mechanical Energy for the user	Diesel fuel consumption of the diesel generator to meet the same load
I.C. Thermal Energy for the user	a. fuel consumption of technology in use or would have been used or b. grid electricity emissions
I.D. Grid connected renewable electricity generation	a. (if it is exclusively diesel generators) diesel fuel consumption of the generator to generate annual kWhr of renewable energy generated in the project (differentiated emission factor depending on the load factor) b. grid emissions for kWhr of renewable energy generated (calculated as average of operating and build margins)
II. A. Supply side energy efficiency improvements- T& D	a. Retrofit projects- based on present equipment performance determined according to general guidelines to appendix B b. new facility- technical losses of equipment that would have been used (performance determined according to general guidelines to appendix B) c. if the energy is electricity as per I. D. a/b. or if it is district heating system fossil fuel that would have been used
II.B. Supply side energy efficiency improvements- generation	a. Retrofit projects- based on present equipment performance determined according to general guidelines to appendix B b. new facility- technical losses of equipment that would have been used (performance determined according to general guidelines to appendix B) c. emission coefficient of fuel that would have been used
II.C. Demand side energy efficiency programs for specific technologies	a. if it is fossil fuel then present fuel consumption or fuel amount that would have been used b. if it is grid electricity then it is as in I D a and b

II.D. Energy efficiency and fuel switching measures for industrial facilities	a. Retrofit projects- based on present equipment performance determined according to general guidelines to appendix B b. new facility- technical losses of equipment that would have been used (performance determined according to general guidelines to appendix B) c. if the energy is electricity as per I. D. a/b or else emission coefficient of fossil fuel displaced
II.E. Energy efficiency and fuel switching measures for buildings	a. Retrofit projects- based on present equipment performance determined according to general guidelines to appendix B b. new facility- technical losses of equipment that would have been used (performance determined according to general guidelines to appendix B) c. if the energy is electricity then as per I. D. a/b.
II.F. Energy efficiency and fuels switching measures for agricultural facilities and activities	a. fuel consumption of the technology in use or would have been used b. emissions due to grid electricity use as per I.D
III A.Agriculture	
III.B. Switching fossil fuels	current emissions of the facility/fuel used
III C. Emission reduction by low greenhouse gas emitting vehicles	a. energy (fuel) use per unit of service of vehicle b. emissions from electricity as per I.D
III.D. Methane recovery	amount of methane that would be emitted in the absence of project activity
III.E Avoidance of methane production from biomass decay through controlled combustion	methane emission in the absence of project activity

Table 2. Conditions for using common baselines/PDD for bundled projects (Project category matrix)

	IA	IB	IC	ID	II A	II B	II C	II D	II E	II F	III A	III B	III C	III D	III E
IA	√	√	√	×	×	√	√	√*	×	√		PC	×	×	×
IB	√	√	√	×	×	×	√	√*	×	√		√	×	×	×
IC	√	√	√	×	×	×	√	√*	√	√		√	×	×	×
ID	×	×	×	√	×	×	√	√*	√	√		√	×	×	×
II A	×	×	×	×	√	×	×	×	×	×		×	×	×	×
II B	×	×	×	×	×	√	×	×	×	×		×	×	×	×
II C	√	√	√	×	×	×	√	√	√	√		√	×	×	×
II D	√*	√*	√*	√*	×	×	√	√	√	√		√	×	×	×
II E	×	×	√	√	×	×	√	√	√	√		√	×	×	×
II F	√	√	√	√	×	√	√	√	√	√		√	×	×	×
III A															
III B	√	√	√	×	×	√	√	√	√	√		√	×	×	×
III C	×	×	×	×	×	×	×	×	×	×		×	√	×	×
III D	×	×	×	×	×	×	×	×	×	×		×	×	√	√
III E	×	×	×	×	×	×	×	×	×	×		×	×	√	√

√*- user is an industrial unit