

## Agenda item 4.1.

Paragraph 20 of the annotated agenda

# New “Guideline: Use of the CDM in urban sectors”

**CDM EB 103**

Bonn, Germany, 12 to 14 June 2019



## Procedural background

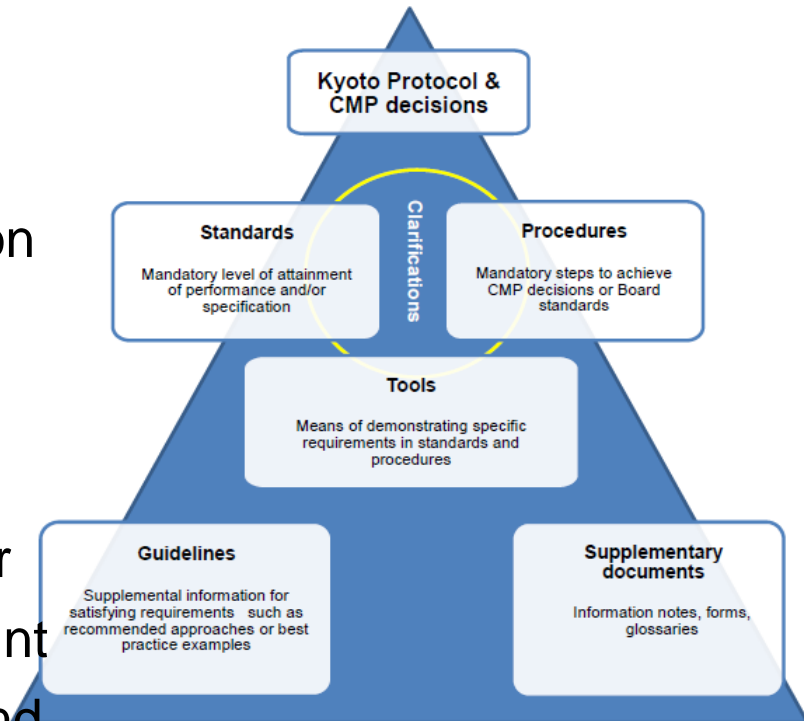
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- EB 97 took note of the information note titled "CDM in urban sectors", and requested the MP to continue the work on
  - ✓ guidelines for developing CDM projects in the urban context
  - ✓ best-practice examples in a PoA-DD template
  - ✓ standardization of parameters



- EB102 considered the draft new "Guideline: Use of the CDM in urban sectors" and requested the MP to further work on the guideline.
- The specific guidance provided for in the PoA-DD requires further elaboration and improvement.
- Assess whether some sections of the draft new guideline may be included in the "CDM Methodology Booklet" rather than in the guideline, taking into account the "CDM Executive Board decision and documentation framework".

Figure 2. Hierarchy of document types



## Purpose

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- The purpose of the draft new guideline is to facilitate the development of CDM project activities and PoAs in the urban context.



- The draft guidelines contain the following:
  - a) List of CDM methodologies applicable to city-based mitigation programmes;
  - b) Standardization of parameters;
  - c) Consideration of cross effects;

**Appendix:** Specific guidance to develop a PoA-DD for mitigation measures applicable to buildings



## Guidelines: Use of the CDM in the urban sectors

### a) List of CDM methodologies applicable to city-based mitigation programmes;

Tables 1, 2 and 3 provide a list of methodologies:

- ✓ Urban - Transport
  - ✓ Urban - Household & Building energy generation and energy efficiency
  - ✓ Urban – Waste management and wastewater
- Only the elements considered as “guidelines” (supplementary information for satisfying requirements such as recommended approaches or best practice examples) will be retained in this document.
  - General information, such as the tables for the list of methodologies will be proposed for inclusion in the CDM Methodologies Booklet.

Table 1. List of CDM methodologies relevant to Urban Transport

Measure	CDM methodology
Bicycles, tricycles, e-bikes or e-tricycles	AMS-III.BM. Lightweight two and three wheeled personal transportation
Bus systems	AM0031 Bus rapid transit projects
Mass rapid transit systems	ACM0016 Mass Rapid Transit Projects AMS-III.U. Cable Cars for Mass Rapid Transit System (MRTS)
Energy efficiency	AMS-III.C. Emission reductions by electric and hybrid vehicles AMS-III.AA. Transportation Energy Efficiency Activities using Retrofit Technologies AMS-III.AP. Transport energy efficiency activities using post - fit Idling Stop device AMS-III.BC. Emission reductions through improved efficiency of vehicle fleets
Fuel switch	AMS-III.S. Introduction of low-emission vehicles/technologies to commercial vehicle fleets AMS-III.T. Plant oil production and use for transport applications AMS-III.AK. Biodiesel production and use for transport applications AMS-III.AQ. Introduction of Bio-CNG in transportation applications AMS-III.AY. Introduction of LNG buses to existing and new bus routes
Transportation of cargo	AM0090 Modal shift in transportation of cargo from road transportation to water or rail transportation
Transportation of liquid fuels	AM0110 Modal shift in transportation of liquid fuels
Technology for improved driving	AMS-III.AT. Transportation energy efficiency activities installing digital tachograph systems to commercial freight transport fleets AMS-III.BC. Emission reductions through improved efficiency of vehicle fleets



## b) Standardization of parameters;

Some examples of parameters in methodologies that could potentially be standardized in accordance with the SB Procedure.

**Table 4. Examples of parameters that may be standardized**

Sector/Measure	CDM methodology / tool	Parameters	Possible data sources for standardization of parameters
<b>Electricity generation</b>	TOOL07: Tool to calculate the emission factor for an electricity system	CO <sub>2</sub> emission factor of the electricity system	Official report/statistics
<b>Energy-efficient refrigerators and air-conditioners</b>	TOOL29: Determination of standardized baselines for energy-efficient refrigerators and air-conditioners	Baseline energy consumption	See requirements in TOOL29
<b>Energy efficiency measures in buildings</b>	TOOL31: Determination of standardized baselines for energy efficiency measures in residential, commercial and institutional buildings	CO <sub>2</sub> emissions per m <sup>2</sup> for different building categories	Surveys
<b>Energy-efficient Lighting</b>	AMS-II.C.: Demand-side energy efficiency activities for specific technologies  AMS-II.J.: Demand-side activities for efficient lighting technologies	Utilization hours	Surveys, peer-reviewed literature, official reports/statistics, etc



### c) Consideration of cross effects;

- Apply the “Appendix 1. Instructions for the consideration of cross effects for the application of multiple methodologies for programmes of activities” of CDM Project Standard for PoAs.
- Examples for combinations of the measures/methodologies that may result in cross-effects and examples of potential double-counting of emission reductions are illustrated.





### **Appendix:** Specific guidance to develop a PoA-DD for mitigation measures applicable to buildings

- Based on EB97 guidance on the information note, Meth Panel provided specific guidance to develop a PoA-DD for **PoAs in urban buildings** with individual and cross-cutting interventions in energy generation and use.



## Impacts

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- The proposed guideline, once approved, will facilitate the development of CDM project activities and PoAs in urban sectors.



## Subsequent work and timelines

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- The new guideline is recommended by the MP for consideration by the Board at its 103rd meeting. No further work is envisaged.



## Recommendations to the Board

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The MP recommends that the Board adopt this new guideline, to be made effective at the time of the Board's approval.

