الأمم المتحدة

الاتفاقية الإطارية
بشأن تغير المناخ

UNFCCC

الهيئة الفرعية للمشورة العلمية والتكنولوجية
الدورة الثامنة والعشرون
بون، ٤-١٣ حزيران/يونيه ٢٠٠٨

البند ٨(ب) من جدول الأعمال
القضايا المنهجية بموجب بروتوكول كيوتو
إرشادات الممارسات الجيدة فيما يتعلق بأنشطة استخدام
الأراضي وتغيير استخدام الأراضي والحراجة بموجـــب
الفقرتين ٣ و٤ من المادة ٣ من بروتوكول كيوتو

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مشروع استنتاجات مقدَّم من الرئيسة

١- اختتمت الهيئة الفرعية للمشورة العلمية والتكنولوجية نظرها في المعلومات المدرجـــة في المرفـــق الأول بتقريرها في دورتها السابعة والعشرين[1].

٢- وطلبت الهيئة الفرعية للمشورة العلمية والتكنولوجية من الأمانة إدراج الصيغ الواردة في مرفـق هـــذه الاستنتاجات في نموذج الإبلاغ الموحد لهذه الجداول الجاري استحداثه وفقاً للمقرر ٦/م أإ-٣، والمتعلق بالجدول المعنون "جدول بياني لمحاسبة الأنشطة بموجب الفقرتين ٣ و٤ من المادة ٣ من بروتوكول كيوتو"، بغيـــة تيـــسير الإبلاغ من الأطراف المدرجة في المرفق الأول للاتفاقية بموجب الفقرتين ٣ و٤ من المادة ٣ من بروتوكول كيوتو.

٣- وأشارت الهيئة الفرعية للمشورة العلمية والتكنولوجية إلى أن الأمانة ينبغي، لدى تنفيذ ســـجل المعـــاملات الدولي، أن تضمن المراعاة التامة، عند إجراء المراجعات اللازمة لتشغيل سجل المعاملات الدولي، للمقرر ١٦/م أإ-١.

FCCC/SBSTA/2007/16   (١)

<u>Annex</u>

[ENGLISH ONLY]

Calculation of accounting quantities for activities under Article 3, paragraphs 3 and 4

Table 1 shows in a tabular format the calculation of the accounting quantity for each of the activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, for the first commitment period. Symbols and formulae used in the table are explained on the following pages.

Table. Calculation of accounting quantities for activities under Article 3, paragraphs 3 and 4

INFORMATION TABLE ON ACCOUNTING FOR ACTIVITIES UNDER ARTICLE 3, PARAGRAPHS 3 AND 4, OF THE KYOTO PROTOCOL

Country
Inventory Year
Submission

Commitment period accounting ☐
Annual accounting ☐

Number of the reported year in the commitment period: n

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	BY[5]	Net emissions/removals [1]						Accounting Parameters[7]	Accounting Quantity[8]
		2008	2009	2010	2011	2012	Total[6]		
		(Gg CO_2 equivalent)							
A. Article 3.3 activities									
A.1. Afforestation and Reforestation									$AQAR_T$
A.1.1. Units of land not harvested since the beginning of the commitment period [2]		AR^{nh}_t	AR^{nh}_t	AR^{nh}_t	AR^{nh}_t	AR^{nh}_t	AR^{nh}_T		$AQAR^{nh}_T$
A.1.2. Units of land harvested since the beginning of the commitment period [2]									$AQAR^h_T$
[specify identification code]		AR^{h1}_t	AR^{h1}_t	AR^{h1}_t	AR^{h1}_t	AR^{h1}_t	AR^{h1}_T		$AQAR^{h1}_T$
		AR^{h2}_t	AR^{h2}_t	AR^{h2}_t	AR^{h2}_t	AR^{h2}_t	AR^{h2}_T		$AQAR^{h2}_T$
		AR^{h3}_t	AR^{h3}_t	AR^{h3}_t	AR^{h3}_t	AR^{h3}_t	AR^{h3}_T		$AQAR^{h3}_T$
A.2. Deforestation		D_t	D_t	D_t	D_t	D_t	D_T		AQD_T
B. Article 3.4 activities									
B.1. Forest Management (if elected)		FM_t	FM_t	FM_t	FM_t	FM_t	FM_T		AQ_{FM}
3.3 offset [3]								OFF_{ARD}	AQ_{OFF}
FM cap [4]								CAP	AQ_{CAP}
B.2. Cropland Management (if elected)	CM_{BY}	CM_t	CM_t	CM_t	CM_t	CM_t	CM_T	CM_{net}	$AQCM_T$
B.3. Grazing Land Management (if elected)	GLM_{BY}	GLM_t	GLM_t	GLM_t	GLM_t	GLM_t	GLM_T	GLM_{net}	$AQGLM_T$
B.4. Revegetation (if elected)	RV_{BY}	RV_t	RV_t	RV_t	RV_t	RV_t	RV_T	RV_{net}	$AQRV_T$

[1] All values are reported in table 5(KP) of the CRF for the relevant inventory year as reported in the current submission and are automatically entered in this table.

[2] In accordance with paragraph 4 of the annex to decision 16/CMP.1, debits resulting from harvesting during the first commitment period following Afforestation and Reforestation since 1990 shall not be greater than credits accounted for on that unit of land.

[3] In accordance with paragraph 10 of the annex to decision 16/CMP.1, for the first commitment period, a Party included in Annex I that incurs a net source of emissions under the provisions of Article 3.3 may account for anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under Forest Management under Article 3.4, up to a level that is equal to the net source of emissions under the provisions of Article 3.3, but not greater than 9.0 megatonnes of carbon times five, if the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3.3.

[4] In accordance with paragraph 11 of the annex to decision 16/CMP.1, for the first commitment period only, additions to and subtractions from the assigned amount of a Party resulting from Forest Management under Article 3.4, after the application of paragraph 10 of the annex to decision 16/CMP.1 and resulting from Forest Management project activities undertaken under Article 6, shall not exceed the value inscribed in the appendix of the annex to decision 16/CMP.1, times five.

[5] Net emissions and removals in the Party's base year, as established by decision 9/CP.2.

[6] Cumulative net emissions and removals for all years of the commitment period reported in the current submission.

[7] The values in the cells "3.3 offset" and "FM cap" are absolute values.

[8] The accounting quantity is the total quantity of units to be added to or subtracted from a Party's assigned amount for a particular activity in accordance with the provisions of Article 7.4 of the Kyoto Protocol.

Key to symbols used in table

AR^{nh}_t = net emissions and removals for category A.1.1 for commitment period year t, in Gg CO_2 eq

AR^{hx}_t = net emissions and removals for a particular land unit (x) in category A.1.2 for commitment period year t, in Gg CO_2 eq

D_t = net emissions and removals for category A.2 for commitment period year t, in Gg CO_2 eq

CAP = value inscribed for Party in annex to decision 16/CMP.1, converted to Gg CO_2 eq and multiplied by five.

FM_t = net emissions and removals for category B.1 for commitment period year t, in Gg CO_2 eq

CM_{BY} = net emissions and removals for category B.2 for the Party's base year, in Gg CO_2 eq

CM_t = net emissions and removals for category B.2 for commitment period year t in Gg CO_2 eq

GLM_{BY} = net emissions and removals for category B.3 for the Party's base year, in Gg CO_2 eq

GLM_t = net emissions and removals for category B.3 for commitment period year t in Gg CO_2 eq

RV_{BY} = net emissions and removals for category B.4 for the Party's base year, in Gg CO_2 eq

RV_t = net emissions and removals for category B.4 for commitment period year t in Gg CO_2 eq

Afforestation and Reforestation

AR^{nh}_t = net emissions and removals for category A.1.1 for commitment period year t, in Gg CO_2 eq

$$AR^{nh}_T = \sum_{t=2008}^{N} (AR^{nh}_t),$$

where N is the most recently reported year of the commitment period

$$AQAR^{nh}_T = AR^{nh}_T$$

AR^{hx}_t = net emissions and removals for a particular land unit in category A.1.2 for commitment period year t, in Gg CO_2 eq

$$AR^{hx}_T = \sum_{t=2008}^{N} (AR^{hx}_t) \text{ for a particular land unit (x),}$$

where N is the most recently reported year of the commitment period

$AQAR^{hx}_T$: If $AR^{hx}_T \geq 0$, then $AQAR^{hx}_T = 0$, else $AQAR^{hx}_T = AR^{hx}_T$

$$AQAR^{h}_T = \sum_{x=1}^{U} AQAR^{hx}_T,$$

where U is the last unit of land harvested

$$AQAR_T = AQAR^{nh}_T + AQAR^{h}_T$$

Deforestation

D_t = net emissions and removals for category A.2 for commitment period year t, in Gg CO_2 eq

$$D_T = \sum_{t=2008}^{N} (D_t), \text{ where N is the most recently reported year of the commitment period}$$

$$AQD_T = D_T$$

Forest Management

CAP = value inscribed for Party in annex to decision 16/CMP.1, converted to Gg CO_2 eq and multiplied by 5.

$AQAR_T$ = total accounting quantity for afforestation and reforestation.

AQD_T = total accounting quantity for deforestation.

OFF_{ARD}:
IF $(AQAR_T + AQD_T) \leq 0$, then $OFF_{ARD} = 0$; else
IF $(AQAR_T + AQD_T) < 165{,}000$, then $OFF_{ARD} = (AQAR_T + AQD_T)$;
else $OFF_{ARD} = 165{,}000$

FM_t = net emissions and removals for category B.1 for commitment period year t, in Gg CO_2 eq

$$FM_T = \sum_{t=2008}^{N} (FM_t), \text{ where N is the most recently reported year of the commitment period}$$

AQ_{OFF}:
If the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990[1] is equal to, or larger than, the net source of emissions incurred under Article 3, paragraph 3,[2]
then if $(OFF_{ARD} = 0 \text{ or } FM_T \geq 0)$, then $AQ_{OFF} = 0$;
else if $|FM_T| < OFF_{ARD}$ then $AQ_{OFF} = FM_T$;
else $AQ_{OFF} = -OFF_{ARD}$
else $AQ_{OFF} = 0$

AQ_{CAP}:
If $|FM_T - AQ_{OFF}| \leq CAP$, then $AQ_{CAP} = FM_T - AQ_{OFF}$,
else if $FM_T - AQ_{OFF} < 0$, then $AQ_{CAP} = -CAP$; else $AQ_{CAP} = CAP$

$AQ_{FM} = AQ_{CAP} + AQ_{OFF}$

Cropland Management

CM_{BY} = net emissions and removals for category B.2 for the Party's base year, in Gg CO_2 eq

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[1] Without prejudice to paragraph 10 of the annex to decision 16/CMP.1 this test is valid only when using the absolute value of the total anthropogenic greenhouse gas emissions by sources and removals by sinks.

[2] The Party should provide information in the NIR on whether this condition has been met.

CM_t = net emissions and removals for category B.2 for commitment period year t in $Gg\ CO_2$ eq

$CM_T = \sum\limits_{t=2008}^{N} (CM_t)$, where N is the most recently reported year of the commitment period

CP_N = number of years reported since the beginning of the commitment period,
$CP_N = N - 2007$, where N is the most recently reported year of the commitment period.

$CM_{net} = CM_{BY} * CP_N$

$AQCM_T = CM_T - CM_{net}$

Grazing Land Management

GLM_{BY} = net emissions and removals for category B.3 for the Party's base year, in $Gg\ CO_2$ eq

GLM_t = net emissions and removals for category B.3 for commitment period year t in $Gg\ CO_2$ eq

$GLM_T = \sum\limits_{t=2008}^{N} (GLM_t)$, where N is the most recently reported year of the commitment period.

CP_N = number of years reported since the beginning of the commitment period,
$CP_N = N - 2007$, where N is the most recently reported year of the commitment period.

$GLM_{net} = GLM_{BY} * CP_N$

$AQGLM_T = GLM_T - GLM_{net}$

Revegetation

RV_{BY} = net emissions and removals for category B.4 for the Party's base year, in $Gg\ CO_2$ eq

RV_t = net emissions and removals for category B.4 for commitment period year t, in $Gg\ CO_2$ eq

$RV_T = \sum\limits_{t=2008}^{N} (RV_t)$, where N is the most recently reported year of the commitment period

CP_N = number of years reported since the beginning of the commitment period,
$CP_N = N - 2007$, where N is the most recently reported year of the commitment period.

$RV_{net} = RV_{BY} * CP_N$

$AQRV_T = RV_T - RV_{net}$

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