



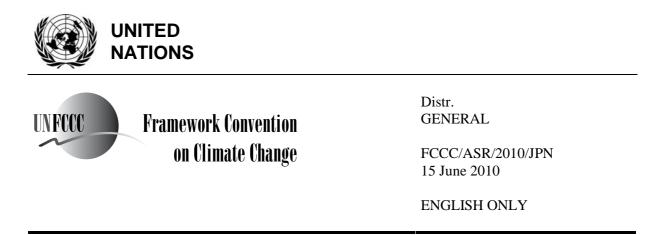
COMPLIANCE COMMITTEE



Annual status report of the annual inventory of Japan

Note by the secretariat

The annual status report of the annual inventory of Japan was published on 15 June 2010. For purposes of rule 10, paragraph 2, of the Rules of procedure of the Compliance Committee (annex to decision 4/CMP.2, as amended by decision 4/CMP.4), the report is considered received by the secretariat on the same date. This report, FCCC/ASR/2010/JPN, contained in the annex to this note, is being forwarded to the Compliance Committee in accordance with section VI, paragraph 3, of the annex to decision 27/CMP.1 and paragraph 49 of the annex to decision 22/CMP.1.



Annual status report of the annual inventory of Japan

1. This status report was prepared by the secretariat as part of the initial check of the annual inventory submitted in accordance with decision 15/CMP.1. It reflects the content of the inventory submission of 2010 as originally submitted by the Party.

2. In this report, the following abbreviations are used:

A: afforestation AAU: assigned amount unit CER: certified emission reduction CM: cropland management CRF: common reporting format D: deforestation ERU: emission reduction unit FM: forest management GM: grazing land management GHG: greenhouse gas KP-LULUCF: Article 3, paragraphs 3 and 4, activities under the Kyoto Protocol ICER: long-term certified emission reduction LULUCF: land use, land-use change and forestry NIR: national inventory report R: reforestation RMU: removal unit **RV**: revegetation SBDT: sectoral background data tables SEF: standard electronic format tCER: temporary certified emission reduction

Notation keys C: confidential IE: included elsewhere NA: not applicable NE: not estimated NO: not occurring Greenhouse gases CO₂: carbon dioxide CH₄: methane N₂O: nitrous oxide HFCs: hydrofluorocarbons PFCs: perfluorocarbons SF₆: sulphur hexafluoride NO_x: nitrogen oxides CO: carbon monoxide NMVOCs: non-methane volatile organic compounds SO₂: sulphur dioxide

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	GR	EENHOU	ISE GAS I	INVE	CNT(ORY SUB	MISSIO	N						
		Date of 1	eceipt		Da	te of resu	bmission	l	Comments					
п	NIR	15 April	2010											
natio	CRF tables ^a	15 April	2010											
form	Additional information ^b	15 April	2010						NIR in	Japa	nese			
General information	CRF provided for years	1990–20	08		-									
ener	Base year or period ^c	1990		E	Base	year for H	HFCs, PFC	Cs and	${\rm SF_6}^{\rm d}$	1995				
Ċ	Gases covered	CO ₂ CH ₄		N_2	0	HFCs	PFCs	SFe	, N	O _X	СО	NMVOCs	SO ₂	
		✓	✓ ✓		1	✓	✓	√	``	/	✓	✓	\checkmark	
NIR	Description	guideline 14/CP.11 reporting	es ^e on annu , elaborate	al inv d witl under	vento h the the	ories follov e "Annotat Kyoto Pro	ving inconted outling	rporati e of th	on of th e Natior	e pro 1al In	visions o ventory l	FCCC repor of decision Report includent ander Article	ling	
	Language of NIR	English												
CRF	Missing source category larger than 7 per cent for categories included in Annex A to the Kyoto Protocol	No missi	ng source o	catego	ory l	arger than	7 per cen	it has t	been ide	ntifie	ed.			

	SUBMISSION C	OF SUPPLEMENTAR	RY INFORMATION UNI	DER ARTICLE 7.1	
		Date of receipt	Date of resubmission	Comments	
tary	KP-LULUCF information ^g	15 April 2010		NIR, Annex 11	
supplementary mation	KP-LULUCF CRF ^h	15 April 2010		CRF provided for years:	1990, 2008
í suppl	Information on Kyoto units (ERUs, CERs, RMUs and AAUs ⁱ)	15 April 2010		NIR, Annex 10.2	
ng of suj informa	SEF ^j with Kyoto units	15 April 2010			
reporting in	Change in national system ^k	15 April 2010		NIR, Annex 10.3	
rep	Change in national registry ^k	15 April 2010		NIR, Annex 10.4	
	Minimization of adverse impacts ^k	15 April 2010		NIR, Annex 10.5	

^a CRF tables are contained in document FCCC/SBSTA/2006/9, annex II.

^b Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.

^c Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.
 ^d A Party may select 1990 or 1995 as the base year for the fluorinated gases in accordance with Article 3, paragraph 8, of the Kyoto Protocol.

^a A Party may select 1990 or 1995 as the base year for the fluorinated gases in accordance with Article 3, paragraph 8, of the Kyoto Protocol
 ^e "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines for annual inventories" (FCCC/SBSTA/2006/9).

^f A Party has not reported an estimate for an Annex A category that accounted for 7 per cent or more of the Party's aggregate emissions (decision 15/CMP.1, para. 3 (b)).

^g Parties are required to include in their annual submission information on anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, in accordance with the annex to decision 15/CMP.1, paragraphs 5–9.

^h Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, using the agreed CRF tables adopted under decision 6/CMP.3. Parties may also elect to report these tables for the base year or 1990.

ⁱ Parties are required to include in their annual submission information on ERUs, CERs, tCERs, tCERs, AAUs and RMUs, in accordance with the annex to decision 15/CMP.1, section I.E.

^j SEF for reporting Kyoto Protocol units, as adopted under decision 14/CMP.1 and required by the annex to decision 15/CMP.1, paragraph 11. ^k The requirements for Parties to report on changes in national systems in accordance with Article 5, paragraph 1, changes in national registries,

and the minimization of adverse impacts in accordance with Article 3, paragraph 14, are set out in sections F, G and H, respectively, of the annex to decision 15/CMP.1.

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	Provis	sion of informatio	on for the	latest		ART I nventory	year i	in the cor	nmon r	eporting	format: 20	08		
		Energy	Industri processe	al	Solvent an other product us	Agric	ulture	LU	LUCF	KF	P-LULUCF ^a		Waste	9
	Sectoral report tables	1 🗸	2(I)	\checkmark	3 🗸	4	✓		5 🗸	5(KP)	/	6 v	/
			2(II)	✓										
	Sectoral background	1.A(a) 🖌	2(I).A-G	✓	3.A–D 🗸	4.A	\checkmark	5.	A 🗸	5(KF	P-I)A.1.1	6.	.A v	1
	data tables	1.A(b) 🗸	2(II).C	✓		4.B(a)	✓	5.1	в 🗸	5(KF	P-I)A.1.2	6.	.в 🗸	/
		1.A(c) ✓	2(II).E	\checkmark		4.B(b)	✓	5.0	с 🗸	5(KF	P-I)A.1.3	6.	.C 🗸	/
		1.A(d) 🗸	2(II).F	\checkmark		4.C	✓	5.1	D 🗸		1)1 1.2	/		
		1.B.1 ✓				4.D	\checkmark	5.	E ✓		(P-I) 2.1.	/		
		1.B.2 ✓				4.E	✓	5.	F ✓			/		
		1.C ✓				4.F	✓	5 (I) 🗸	5(KP	-I)B.2.	/		
Tables		Bunkers separate	ely 🗸					5 (I	I) 🗸	5(KP	-I)B.3.	/		
\mathbf{T}_{5}								5 (II	I) 🗸	5(KP	-I)B.4.	1		
								5 (IV	″) √	5(K	P-II)1	/		
								5 (V	r) 🗸	5(K	P-II)2	/		
										5(K	P-II)3	/		
										5(K	,	/		
												/		
											unting ble	/		
	Summary tables	Summary 1.A		✓	Summary 1	.В		✓	Summa	ary 2			~	/
	Other tables	Summary 3		\checkmark	Table 7 (K	ey categori	es)	✓	Table 9	(a) (Com	pleteness)		~	1
		Table 10 (Trends))	✓					Table 9(b) (Completeness)					
	Comments													
ıls	Provided for gases	CO₂ ✓	CH	I₄ ✓		N ₂ O ✓		HFCs	✓	PFO	Cs ✓	S	$SF_6 \checkmark$	
Totals	Provided for	1990-2008	1990	0-200	8 1	990-2008		1990–2	2008	1990)-2008	199	90-2008	8
	years							Difform	nce mor		If differe			
CO_2	Comparison of CO ₂ from fuel	Reference app	proach		Sectoral a	pproach			per cent			per ce		an
9	combustion	\checkmark			\checkmark						Explanatio	n provi	ided	
SF_6	Disaggregation b	by species			HFC	's			PFCs			SF_6		
HFCs, PFCs, SF ₆					√				✓					
s, PF		ual and/or potentiates in the category		A	Actual	Potentia	l	Actual	Po	otential	Actual		Potenti	al
HFC		halocarbons and S			✓	\checkmark		\checkmark		✓	\checkmark		\checkmark	
u	Used in	Summary table 1.	A	I	✓ Secto	ral report t	ables		✓	Sectoral l	oackground	data ta	bles	\checkmark
Notation keys	Comments													

^a Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, using the agreed CRF tables adopted under decision 6/CMP.3.

	PART II Provision of common reporting format tables for years reported																
				Base year ^a	1990	1995	2000	2001	Ye 2003	ars 003	2004	2005	2006	2007	2008	Information gaps relating to reporting ^b	Comments
	Se	ctoral report: Ta	ible 1		\checkmark	✓	~	\checkmark	\checkmark	√	\checkmark	\checkmark	✓	\checkmark	\checkmark		
		Table 1.A(a)			\checkmark	✓	\checkmark	✓	✓	✓	✓	\checkmark	✓	✓	\checkmark		
		Table 1.A(b)			\checkmark	✓	✓	✓	✓	✓	✓	\checkmark	✓	✓	\checkmark	✓	
Energy	L.	Table 1.A(c)			✓	✓	✓	✓	✓	✓	✓	✓	~	✓	✓		
Ene	SBDT	Table 1.A(d)			~	✓	\checkmark	✓	✓	✓	✓	\checkmark	\checkmark	\checkmark	\checkmark		
	S	Table 1.D.1			\checkmark												
		Table 1.B.2			\checkmark												
		Table 1.C			\checkmark												
			Table 2(I)		~	\checkmark	\checkmark	✓	✓	✓	✓	✓	~	✓	✓		
sse	Se	ctoral reports:	Table 2(II)		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	✓	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
roce		Table 2(I).A–G			\checkmark												
al p		Table 2(II).C			\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark		No numerical data are reported in this table for the years
stri	BD	Table 2(II).E Table 2(II).F			\checkmark	\checkmark	\checkmark	✓	\checkmark		1990–1994. For these years the notation key NE is used.						
Industrial processes	S	Table 2(II).F			✓	~	~	~	~	~	~	~	~	~	~		No numerical data are reported in this table for the years 1990–1993. For these years the notation keys NE, IE are used.
	Se	ctoral report: Ta	ible 3		\checkmark	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Solvent use	SBDT	Table 3.A–D			~	~	~	~	~	~	~	~	~	~	~	~	

					F	rovisi	on of c	ommoi	ı repor		PART rmat ta		or year	s repo	rted (continued)	
								Ye	ars							
			Base year ^a	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	Information gaps relating to reporting ^b	Comments
	Se	ctoral report: Table 4		\checkmark	\checkmark	✓	✓	✓	✓	\checkmark	✓	✓	✓	✓		
		Table 4.A		\checkmark	✓	\checkmark	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.B(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\checkmark		
e		Table 4.B(b)		\checkmark	✓	\checkmark	✓	✓	✓	✓	✓	✓	✓	✓		
Agriculture	_	Table 4.C		\checkmark	✓	\checkmark	✓	✓	✓	✓	✓	✓	✓	✓	✓	
ricu	BDJ	Table 4.D Table 4.E		\checkmark	✓	\checkmark	✓	✓	✓	✓	✓	✓	✓	✓		
Ag	S	Table 4.E		~	~	~	~	~	~	~	~	~	~	~		No numerical data are reported in this table for the years 2004–2008. For these years the notation key NO is used. For the years 1990–2003 the notation keys NE, NO are used.
		Table 4.F		✓	✓	✓	✓	✓	\checkmark	✓	✓	✓	✓	✓		
	Se	ctoral report: Table 5		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\checkmark		
		Table 5.B		\checkmark	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.C		\checkmark	✓	\checkmark	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.D		\checkmark	✓	✓	✓	✓	✓	✓	✓	✓	✓	\checkmark		
E		Table 5.E		\checkmark	✓	\checkmark	✓	✓	✓	✓	✓	✓	✓	✓		
LULUCF	SBDT	Table 5.F		~	~	~	✓	~	✓	~	~	✓	~	~		No numerical data are reported in this table. The notation keys IE, NA are used.
n	SI	Table 5 (I)		~	~	✓	✓	~	✓	~	~	✓	~	~		No numerical data are reported in this table. The notation keys NA, NO are used.
		Table 5 (II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5 (III)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\checkmark		
		Table 5 (IV)		✓	✓	\checkmark	✓	✓	\checkmark	✓	✓	✓	✓	\checkmark	Ì	
		Table 5 (V)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

					F	rovisi	PART II Provision of common reporting format tables for years reported (continued)														
				Years										Information							
			Base year ^a	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	gaps relating to reporting ^b	Comments					
	Sec	ctoral report: Table 5 (KP)		\checkmark										\checkmark							
		Table 5 (KP-I) A.1.1												✓							
		Table 5 (KP-I)A.1.2												✓		No numerical data are reported in this table for the year					
	İ	Table 5 (KP-I) A.1.3												✓		2008. The notation key NA is used.					
	İ	Table 5 (KP-I) A.2												✓							
		Table 5 (KP-I) A.2.1												\checkmark							
		Table 5 (KP-I) B.1												✓							
	İ	Table 5 (KP-I) B.2		✓										✓		No numerical data are reported in this table for the years 1990, 2008. For these years the notation key NA is used.					
	E	Table 5 (KP-I) B.3		\checkmark										✓							
	SBDT	Table 5 (KP-I) B.4		✓										✓							
		Table 5 (KP-II) 1												~		No numerical data are reported in this table for the year 2008. The notation keys IE, NA are used.					
		Table 5 (KP-II) 2												~		No numerical data are reported in this table for the year 2008. The notation key NO is used.					
		Table 5 (KP-II) 3		~										~		No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.					
		Table 5 (KP-II) 4		~										✓							
		Table 5 (KP-II) 5		~										~		No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.					
	Ac	counting table												\checkmark							

	PART II Provision of common reporting format tables for years reported (continued)														orted (continued)	
Years									ars							
			Base year ^a	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	Information gaps relating to reporting ^b	Comments
	See	ctoral report: Table 6		\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓		
Waste	E	Table 6.A		✓	✓	~	✓	✓	✓	✓	✓	✓	~	✓		
Μ	SBDT	Table 6.B		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		
	S	Table 6.C		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		
		Summary 1.A		~	>	>	✓	✓	✓	✓	\checkmark	✓	>	✓		
		Summary 1.B		\checkmark	>	>	✓	✓	✓	✓	\checkmark	\checkmark	>	✓		
bles		Summary 2 (CO ₂ equivalent emissions)		✓	~	~	✓	✓	~	✓	✓	~	~	✓		
and other tables		Summary 3 (Methods/emission factors)		✓	\checkmark	~	~	~	~	~	~	~	~	✓		
l otl	E	Table 7 (Key categories)		\checkmark	~	~	✓	✓	\checkmark	✓	\checkmark	\checkmark	~	✓		
	SBDT	Table 8(a) (Recalculation – recalculated data)		~	~	>	~	~	~	~	~	~	>			
Summary		Table 8(b) (Recalculation – explanatory information)		~	~	~	~	~	~	~	~	~	~			
Su		Table 9(a) (Completeness)		~	✓	✓	✓	\checkmark	✓	✓	✓	✓	✓	✓		
		Table 9(b) (Completeness)														
		Table 10 (Trends)		\checkmark	~	~	✓	✓	✓	✓	✓	✓	~	✓		

^a Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the ^b This column indicates that reporting gaps (blank cells) have been identified in a given table of the CRF. This was owing to limited use, or lack, of notation keys (NO, NE, NA, IE, C).

		Provision of	PART III of information relating to a	recalculations				
Table 8(a) (Recalculated data)	✓	Comments						
Recalculation reported for years	1990–2007							
Recalculated sectors/gases	Energy	Industrial processes	Solvent and other product use	Agriculture	LULUCF	Waste		
CO_2	✓	\checkmark			✓	✓		
CH ₄	✓	√		✓	√	\checkmark		
N ₂ O	✓	√	\checkmark	✓	√	\checkmark		
HFCs		√						
PFCs		√						
SF ₆		✓						
Table 8(b) (Explanatory information)	✓			~	✓	\checkmark		
Percentage difference in aggreg	ate greenhouse gas	Base year estimate: ^a	with LULUCF:	0.83 %	without LULUCF: -0.08 %			
emissions		Latest recalculated year:b	with LULUCF:	-0.44 %	without LULUCF: -0.38 %			

^a Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.
 ^b The latest recalculated year is the submission year minus 3.

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	PART IV		
	Provision of information relating to KP-LULUCF activities und	ler Article 3	3, paragraphs 3 and 4
		Provided	Observation
-	Emissions by sources and removals by sinks are clearly distinguished from emissions from categories included in Annex A to the Kyoto Protocol.	✓	
	Information on how inventory methodologies have been applied taking into account IPCC good practice guidance for LULUCF ^a and decision 16/CMP.1.	~	
5-9	Information on geographical location of the boundaries of areas that encompass:		
	Units of land subject to activities under Article 3.3	\checkmark	
paragraphs	Units of land subject to activities under Article 3.3, which would otherwise be included in land subject to elected activities under Article 3.4	✓	
ag.	Land subject to elected activities under Article 3.4	\checkmark	
	Information on the spatial assessment unit for determining the area of accounting for afforestation, reforestation and deforestation.	✓	
.1, annex,	Information on GHG emissions/removals resulting from activities under Article 3.3 and 3.4, for all geographical locations reported in the current and previous years since the beginning of the commitment period or the onset of the activity, whichever comes later.	~	
15/CMP.1,	Information on carbon pools (above-ground/below-ground biomass, litter, dead wood and soil organic carbon) that are not accounted for.	~	
15/	Information on anthropogenic GHGs from LULUCF activities under Article 3.3 and 3.4 factoring out removals from:		
	Elevated CO ₂ concentrations above pre-industrial levels	✓	
isi	Indirect nitrogen deposition	\checkmark	
decision	The dynamic effects of age structure resulting from activities prior to 1 January 1990	 ✓ 	
	Specific information to be reported for Article 3.3 activities:		
under:	Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the commitment period, and are directly human induced.	✓	
ments	How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation	~	
requirements	Emissions/removals from lands harvested during the first commitment period following afforestation and reforestation on these units of land since 1990	✓	
	Specific information to be reported for Article 3.4 activities:		
ng	Activities under Article 3.4 that occurred since 1 January 1990 and are human induced	✓	
Reporting	Cropland management, grazing land management, revegetation: emissions/removals reported for each year of the commitment period and for the base year for each of the elected activities on the geographical locations reported	~	
R	Emissions/removals from Article 3.4 activities that are not accounted for under activities under Article 3.3	~	Japan stated, in its response to the draft status report, that the relevant information is shown in Section 11.3.2.2 in Annex 11 of the NIR for FM, and section 11.2.2.2 in Annex 11 of the NIR for RV.
	Forest management: information on the extent to which GHG removals by sinks offsets the debit incurred under Article 3.3	✓	

^a The Intergovernmental Panel on Climate Change Good Practice Guidance for Land Use, Land-Use Change and Forestry.