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## Status report of the annual inventory of Turkey

1. This status report was prepared by the secretariat pursuant to decision 13/CP.20, as part of the initial assessment of Turkey's 2015 annual inventory, submitted in accordance with decision 24/CP.19. It reflects the content of the inventory submission of 2015 as originally submitted by the Party.

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

CRF: common reporting format	<i>Notation keys</i>
GHG: greenhouse gas	C: confidential
LULUCF: land use, land-use change and forestry	IE: included elsewhere
IPPU: industrial processes and product use	NA: not applicable
NIR: national inventory report	NE: not estimated
SBDT: sectoral background data tables	NO: not occurring

### *Gases*

CO <sub>2</sub> : carbon dioxide
CH <sub>4</sub> : methane
N <sub>2</sub> O: nitrous oxide
HFCs: hydrofluorocarbons
PFCs: perfluorocarbons
MIX: Unspecified mix of HFCs and PFCs
SF <sub>6</sub> : sulphur hexafluoride
NF <sub>3</sub> : nitrogen trifluoride
NO <sub>x</sub> : nitrogen oxides
CO: carbon monoxide
NMVOCs: non-methane volatile organic compounds
SO <sub>2</sub> : sulphur dioxide



GREENHOUSE GAS INVENTORY SUBMISSION													
General information		Date of receipt			Date of resubmission			Comments					
	NIR	09-Nov-15											
	CRF tables <sup>a</sup>	12-Nov-15											
	Additional information <sup>b</sup>												
	CRF provided for years	1990-2013											
	Base year or period <sup>c</sup>	1990											
	Gases covered	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	MIX	SF <sub>6</sub>	NF <sub>3</sub>	NO <sub>x</sub>	CO	NMVOCs	SO <sub>2</sub>
	✓	✓	✓	✓	✓		✓		✓	✓	✓		✓
NIR	Description	The organization of the NIR, in general, follows the structure outlined in the updated UNFCCC reporting guidelines on annual inventories. <sup>d</sup>											
	Language of NIR	English											

<sup>a</sup> The CRF tables are contained in annex II to decision 24/CP.19.

<sup>b</sup> Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.

<sup>c</sup> 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, 11/CP.4 and 7/CP.12.

<sup>d</sup> "Revision of the UNFCCC reporting guidelines on annual inventories for Parties included in Annex I to the Convention" (decision 24/CP.19).

PART I											
Provision of information for the latest reported inventory year in the common reporting format: 2013											
Tables		Energy		IPPU		Agriculture		LULUCF		Waste	
	Sectoral report tables	1	✓	2(I)	✓	3	✓	4	✓	5	✓
				2(II)	✓			4.1	✓		
	Sectoral background data tables	1.A(a)	✓	2(I).A–H	✓	3.A	✓	4.A	✓	5.A	✓
		1.A(b)	✓	2(II).B–H	✓	3.B(a)	✓	4.B	✓	5.B	✓
		1.A(c)	✓			3.B(b)	✓	4.C	✓	5.C	✓
		1.A(d)	✓			3.C	✓	4.D	✓	5.D	✓
		1.B.1	✓			3.D	✓	4.E	✓		
		1.B.2	✓			3.E	✓	4.F	✓		
		1.C	✓			3.F	✓	4(I)	✓		
1.D		✓			3.G–I	✓	4(II)				
							4(III)	✓			
							4(IV)	✓			
						4(V)	✓				
						4.G	✓				
Summary tables	Summary 1.A	✓	Summary 2	✓	Summary 3	✓					
Other tables	Table 6 (Indirect emissions)	✓	Table 7 (Key categories)	✓	Table 8 (Recalculation)						
	Table 9 (Completeness)	✓	Table 10 (Emission trends)	✓							
Comments											
Totals	Provided for gases	CO <sub>2</sub> ✓	CH <sub>4</sub> ✓	N <sub>2</sub> O ✓	HFCs ✓	PFCs ✓	MIX	SF <sub>6</sub> ✓	NF <sub>3</sub>		
	Provided for years	1990–2013	1990–2013	1990–2013	2000–2013	1990–2006		1996–2013			
CO <sub>2</sub>	Comparison of CO <sub>2</sub> from fuel combustion	Reference approach	Sectoral approach	Difference of more than 2 per cent		If difference is more than 2 per cent					
		✓	✓	✓	Explanation provided						
HFCs, PFCs, MIX, SF <sub>6</sub> and NF <sub>3</sub>	Disaggregation by species	HFCs		PFCs	Unspecified mix of HFCs and PFCs			SF <sub>6</sub>	NF <sub>3</sub>		
		✓	✓								
Notation keys	Used in	Summary 1.A	✓	Sectoral report tables	✓	Sectoral background data tables			✓		
	Comments										

PART II																	
Provision of common reporting format tables for years reported																	
			Years													Comments	
			Base year <sup>a</sup>	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013		
Energy	SBDT	Sectoral report: Table 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(b)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(c)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(d)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.B.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.B.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		IPPU	Sectoral reports:	Table 2(I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Table 2(II)	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
SBDT	Table 2(I).A–H		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Table 2(II).B–H		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

**PART II**

**Provision of common reporting format tables for years reported (continued)**

		<i>Years</i>													<i>Comments</i>
		<i>Base year<sup>a</sup></i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	
<i>Agriculture</i>	Sectoral report: Table 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.B(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.B(b)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2013. For these years the notation key NO is used.
	Table 3.F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.G–I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II															
Provision of common reporting format tables for years reported (continued)															
	Base year <sup>a</sup>	Years												Comments	
		1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013		
Sectoral report: Table 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
LULUCF SBDT	Table 4.I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 2012–2013. For these years the notation keys NE and NO are used.
	Table 4.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2013. For these years the notation keys NE and NO are used.
	Table 4(I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2013. For these years the notation key NE is used.
	Table 4(II)														
	Table 4(III)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2013. For these years the notation keys NE and NO are used.
	Table 4(IV)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2013. For these years the notation key NE is used.
	Table 4(V)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

**PART II**

**Provision of common reporting format tables for years reported (continued)**

		<i>Years</i>											<i>Comments</i>		
		<i>Base year<sup>a</sup></i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>		<i>2012</i>	<i>2013</i>
<i>Waste</i>	Sectoral report: Table 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II														
Provision of common reporting format tables for years reported (continued)														
	Years													Comments
	Base year <sup>a</sup>	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	
Summary and other tables	Summary 1.A (Report for national GHG inventories)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Summary 2 (CO <sub>2</sub> equivalent emissions)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Summary 3 (Methods and emission factors used)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 6 (Indirect emissions of N <sub>2</sub> O and CO <sub>2</sub> )	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 7 (Overview for key categories)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 8 (Recalculated data)													Information on recalculations is not relevant for 2015.
	Table 9 (Completeness)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 10 (Emission trends)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

<sup>a</sup> 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 Article 4, paragraph 6, of the Convention and decisions 9/CP.2, 11/CP.4 and 7/CP.12.



PART III					
Provision of information relating to recalculations <sup>a</sup>					
Table 8 (Recalculated data)		Comments			
Recalculation reported for years					
Recalculated sectors/gases	Energy	IPPU	Agriculture	LULUCF	Waste
CO <sub>2</sub>					
CH <sub>4</sub>					
N <sub>2</sub> O					
HFCs					
PFCs					
Unspecified mix of HFCs and PFCs					
SF <sub>6</sub>					
NF <sub>3</sub>					
Percentage difference in aggregate greenhouse gas emissions	Base year estimate: <sup>b</sup>	With LULUCF:	%	Without LULUCF:	%
	Latest recalculated year: <sup>c</sup>	With LULUCF:	%	Without LULUCF:	%

<sup>a</sup> Information on recalculations is not relevant for 2015.

<sup>b</sup> 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 Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

<sup>c</sup> The latest recalculated year is the submission year minus 3.