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**COMPLIANCE COMMITTEE**

**CC/ERT/ASR/2009/37**  
**30 June 2009**

## **Annual status report of the annual inventory of Canada**

### **Note by the secretariat**

The annual status report of the annual inventory of Canada was published on 24 June 2009. 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/2009/CAN, 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 Canada

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 2009 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*

CO<sub>2</sub>: carbon dioxide  
CH<sub>4</sub>: methane  
N<sub>2</sub>O: nitrous oxide  
HFCs: hydrofluorocarbons  
PFCs: perfluorocarbons  
SF<sub>6</sub>: sulphur hexafluoride  
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   | 17 April 2009  |                 |                  |   |      |                 |                 |    |        |                 |
|                                     | CRF tables <sup>a</sup>   | 17 April 2009  |                 |                  |   |      |                 |                 |    |        |                 |
|                                     | Additional information <sup>b</sup>   |  |                 |                  |   |      |                 |                 |    |        |                 |
|                                     | CRF provided for years  | 1990–2007  |                 |                  |   |      |                 |                 |    |        |                 |
|                                     | Base year or period <sup>c</sup>  | 1990   |                 |                  | Base year for HFCs, PFCs and SF <sub>6</sub> <sup>d</sup> |      |                 | 1990            |    |        |                 |
|                                     | Gases covered   | CO <sub>2</sub>  | CH <sub>4</sub> | N <sub>2</sub> O | HFCs  | PFCs | SF <sub>6</sub> | NO <sub>x</sub> | CO | NMVOCs | SO <sub>2</sub> |
|                                     |   | ✓  | ✓               | ✓                | ✓   | ✓    | ✓               | ✓               | ✓  | ✓      | ✓               |
| NIR                                 | Description   | The organization of the NIR follows the structure outlined in the revised UNFCCC reporting guidelines <sup>e</sup> (decision 18/CP.8). |                 |                  |   |      |                 |                 |    |        |                 |
|                                     | Language of NIR   | English  |                 |                  |   |      |                 |                 |    |        |                 |
| CRF <sup>f</sup>                    | Missing source category larger than 7 per cent for categories included in Annex A to the Kyoto Protocol | No missing source category larger than 7 per cent has not been identified.   |                 |                  |   |      |                 |                 |    |        |                 |

| SUBMISSION OF SUPPLEMENTARY INFORMATION UNDER ARTICLE 7.1     |  |                 |  |  |                      |  |  |   |  |  |
|---|--|-----------------|--|--|----------------------|--|--|---|--|--|
| Voluntary reporting of supplementary information <sup>g</sup> |  | Date of receipt |  |  | Date of resubmission |  |  | Comments  |  |  |
|   | KP-LULUCF information <sup>h</sup>                                   | 17 April 2009   |  |  |                      |  |  | The information is included in annex 15 to the NIR. |  |  |
|   | KP-LULUCF CRF <sup>i</sup>   |                 |  |  |                      |  |  | CRF provided for years:                             |  |  |
|   | Information on Kyoto units (ERUs, CERs, RMUs and AAUs <sup>j</sup> ) | 17 April 2009   |  |  |                      |  |  | The information is included in annex 15 to the NIR. |  |  |
|   | SEF <sup>k</sup> with Kyoto units                                    | 17 April 2009   |  |  |                      |  |  |   |  |  |
|   | Change in national system <sup>l</sup>                               | 17 April 2009   |  |  |                      |  |  | The information is included in annex 15 to the NIR. |  |  |
|   | Change in national registry <sup>l</sup>                             | 17 April 2009   |  |  |                      |  |  | The information is included in annex 15 to the NIR. |  |  |
|   | Minimization of adverse impacts <sup>l</sup>                         |                 |  |  |                      |  |  |   |  |  |

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

<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 and 11/CP.4.

<sup>d</sup> 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.

<sup>e</sup> “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).

<sup>f</sup> 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)).

<sup>g</sup> Parties are required to submit supplementary information under Article 7, paragraph 1, of the Kyoto Protocol from the 2010 submission; however, they may elect to submit this information on a voluntary basis before this submission.

<sup>h</sup> Parties are required to include in their annual inventories 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 decision 15/CMP.1, annex, paragraphs 5–9.

<sup>i</sup> 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 are required to report these tables on a mandatory basis commencing with the 2010 submission; however, they may elect to report these tables on a voluntary basis before this submission. Parties may also elect to report these tables for the base year or 1990.

<sup>j</sup> Parties are required to include in their annual inventory information on ERUs, CERs, tCERs, ICERs, AAUs and RMUs, in accordance with decision 15/CMP.1, annex, section E.

<sup>k</sup> SEF for reporting Kyoto Protocol units, as adopted under decision 14/CMP.1 and required by decision 15/CMP.1, annex, paragraph 11.

<sup>l</sup> 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.

| PART I   |   |                    |   |                      |           |                                 |             |                                       |           |                                 |   |                        |   |       |   |
|--|---|--------------------|---|----------------------|-----------|---------------------------------|-------------|---------------------------------------|-----------|---------------------------------|---|------------------------|---|-------|---|
| Provision of information for the latest reported inventory year in the common reporting format: 2007 |   |                    |   |                      |           |                                 |             |                                       |           |                                 |   |                        |   |       |   |
| Tables   |   | Energy             |   | Industrial processes |           | Solvent and other product use   |             | Agriculture                           |           | LULUCF                          |   | KP-LULUCF <sup>a</sup> |   | Waste |   |
|  | Sectoral report tables  | 1                  | ✓ | 2(I)                 | ✓         | 3                               | ✓           | 4                                     | ✓         | 5                               | ✓ | 5(KP)                  |   | 6     | ✓ |
|  | Sectoral background data tables   |                    |   |                      | 2(II)     | ✓                               |             |                                       |           |                                 |   |                        |   |       |   |
|  |   | 1.A(a)             | ✓ | 2(I).A-G             | ✓         | 3.A-D                           | ✓           | 4.A                                   | ✓         | 5.A                             | ✓ | 5(KP-I).A.1.1          |   | 6.A   | ✓ |
|  |   | 1.A(b)             | ✓ | 2(II).C              | ✓         |                                 |             | 4.B(a)                                | ✓         | 5.B                             | ✓ | 5(KP-I).A.1.2          |   | 6.B   | ✓ |
|  |   | 1.A(c)             | ✓ | 2(II).E              | ✓         |                                 |             | 4.B(b)                                | ✓         | 5.C                             | ✓ | 5(KP-I).A.1.3          |   | 6.C   | ✓ |
|  |   | 1.A(d)             | ✓ | 2(II).F              | ✓         |                                 |             | 4.C                                   | ✓         | 5.D                             | ✓ | 5(KP-I).A.2            |   |       |   |
|  |   | 1.B.1              | ✓ |                      |           |                                 |             | 4.D                                   | ✓         | 5.E                             | ✓ | 5(KP-I).A.2.1          |   |       |   |
|  |   | 1.B.2              | ✓ |                      |           | 4.E                             | ✓           | 5.F                                   | ✓         | 5(KP-I).B.1                     |   |                        |   |       |   |
|  |   | 1.C                | ✓ |                      |           | 4.F                             | ✓           | 5 (I)                                 | ✓         | 5(KP-I).B.2                     |   |                        |   |       |   |
|  |   | Bunkers separately | ✓ |                      |           | 5 (II)                          | ✓           | 5(KP-I).B.3                           |           |                                 |   |                        |   |       |   |
|  |   |                    |   |                      | 5 (III)   | ✓                               | 5(KP-I).B.4 |                                       |           |                                 |   |                        |   |       |   |
|  |   |                    |   |                      | 5 (IV)    | ✓                               | 5(KP-II)1   |                                       |           |                                 |   |                        |   |       |   |
|  |   |                    |   |                      | 5 (V)     | ✓                               | 5(KP-II)2   |                                       |           |                                 |   |                        |   |       |   |
|  |   |                    |   |                      |           |                                 | 5(KP-II)3   |                                       |           |                                 |   |                        |   |       |   |
|  |   |                    |   |                      |           |                                 | 5(KP-II)4   |                                       |           |                                 |   |                        |   |       |   |
|  |   |                    |   |                      |           | 5(KP-II)5                       |             |                                       |           |                                 |   |                        |   |       |   |
|  |   |                    |   |                      |           | Accounting table                |             |                                       |           |                                 |   |                        |   |       |   |
|  | Summary tables  | Summary 1.A        |   |                      | ✓         | Summary 1.B                     |             |                                       | ✓         | Summary 2                       |   |                        | ✓ |       |   |
|  | Other tables  | Summary 3          |   |                      | ✓         | Table 7 (Key categories)        |             |                                       | ✓         | Table 9(a) (Completeness)       |   |                        | ✓ |       |   |
| Table 10 (Trends)  |   |                    | ✓ |                      |           |                                 |             | Table 9(b) (Completeness)             |           |                                 |   |                        |   |       |   |
| Comments   |   |                    |   |                      |           |                                 |             |                                       |           |                                 |   |                        |   |       |   |
| Totals   | Provided for gases  | CO <sub>2</sub> ✓  |   | CH <sub>4</sub> ✓    |           | N <sub>2</sub> O ✓              |             | HFCs ✓                                |           | PFCs ✓                          |   | SF <sub>6</sub> ✓      |   |       |   |
|  | Provided for years  | 1990–2007          |   | 1990–2007            |           | 1990–2007                       |             | 1990–1992, 1995–2007                  |           | 1990–2007                       |   | 1990–2007              |   |       |   |
| CO <sub>2</sub>  | Comparison of CO <sub>2</sub> from fuel combustion  | Reference approach |   | Sectoral approach    |           | Difference more than 2 per cent |             | If difference is more than 2 per cent |           |                                 |   |                        |   |       |   |
|  |   | ✓                  |   | ✓                    |           | ✓                               |             | Explanation provided ✓                |           |                                 |   |                        |   |       |   |
| HFCs, PFCs, SF <sub>6</sub>  | Disaggregation by species   |                    |   | HFCs                 |           | PFCs                            |             | SF <sub>6</sub>                       |           |                                 |   |                        |   |       |   |
|  |   |                    |   | ✓                    |           | ✓                               |             |                                       |           |                                 |   |                        |   |       |   |
|  | Reporting of actual and/or potential emission estimates in the consumption of halocarbons and SF <sub>6</sub> |                    |   | Actual               | Potential | Actual                          | Potential   | Actual                                | Potential |                                 |   |                        |   |       |   |
|  |   |                    | ✓ | ✓                    | ✓         | ✓                               | ✓           | ✓                                     |           |                                 |   |                        |   |       |   |
| Notation keys  | Used in   | Summary table 1.A  |   |                      | ✓         | Sectoral report tables          |             |                                       | ✓         | Sectoral background data tables |   |                        | ✓ |       |   |
|  | Comments  |                    |   |                      |           |                                 |             |                                       |           |                                 |   |                        |   |       |   |

<sup>a</sup> 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 |                          |                |                          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |      |  |
|  |                          |                | Years                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Information gaps relating to reporting <sup>b</sup> | Comments |      |  |
|  |                          |                | Base year <sup>a</sup>   | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |   |          | 2007 |  |
| Energy   | Sectoral report: Table 1 |                |                          | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |      |  |
|  | SBDT                     | 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      |                          | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓   | ✓        |      |  |
| Industrial processes   | Sectoral reports:        |                | Table 2(I)               |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓   |          |      |  |
|  |                          |                | Table 2(II)              |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓   | ✓        |      |  |
|  | SBDT                     | Table 2(I).A–G |                          |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓   | ✓        |      |  |
|  |                          | Table 2(II).C  |                          |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓   | ✓        |      |  |
|  |                          | Table 2(II).E  |                          |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓   | ✓        |      | No numerical data are reported in this table, but for years 1993–2007 notation keys NA, NO are used. |
|  |                          | Table 2(II).F  |                          |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓   | ✓        |      | No numerical data are reported in this table, but for years 1990–1994 notation keys NA, IE are used. |
|  |                          | Solvent use    | Sectoral report: Table 3 |      |      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓   | ✓        |      |  |
| SBDT   | Table 3.A–D              |                |                          | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |      |  |

| PART II  |                          |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |  |  |
|--|--------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|--|--|
| Provision of common reporting format tables for years reported (continued) |                          |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |  |  |
|  |                          | Years                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Information gaps relating to reporting <sup>b</sup> | Comments   |  |
|  |                          | Base year <sup>a</sup> | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |   |  |  |
| Agriculture  | Sectoral report: Table 4 |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 4.A                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 4.B(a)             |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 4.B(b)             |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 4.C                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   | No numerical data are reported in this table, but notation keys NO, NA are used.     |  |
|  | Table 4.D                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 4.E                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   | No numerical data are reported in this table, but notation key NO is used.           |  |
|  | Table 4.F                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   | No numerical data are reported in this table, but notation keys NA, NE, NO are used. |  |
| LULUCF   | Sectoral report: Table 5 |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 5.A                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 5.B                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓   |  |  |
|  | Table 5.C                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   | No numerical data are reported in this table, but notation keys NE, NO are used.     |  |
|  | Table 5.D                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 5.E                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 5.F                |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   | No numerical data are reported in this table, but notation keys NE, NO are used.     |  |
|  | Table 5 (I)              |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   | No numerical data are reported in this table, but notation key IE is used.           |  |
|  | Table 5 (II)             |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   | No numerical data are reported in this table, but notation key NO is used.           |  |
|  | Table 5 (III)            |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 5 (IV)             |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |
|  | Table 5 (V)              |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |  |  |

| PART II  |                               |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|--|-------------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|----------|--|
| Provision of common reporting format tables for years reported (continued) |                               |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  |                               | Years                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Information gaps relating to reporting <sup>b</sup> | Comments |  |
|  |                               | Base year <sup>a</sup> | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |   |          |  |
| KP-LULUCF <sup>c</sup>   | Sectoral report: Table 5 (KP) |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-I) A.1.1          |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-I) A.1.2          |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-I) A.1.3          |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-I) A.2            |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-I) A.2.1          |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-I) B.1            |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-I) B.2            |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-I) B.3            |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-I) B.4            |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-II) 1             |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-II) 2             |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-II) 3             |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-II) 4             |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 5 (KP-II) 5             |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
| Accounting table   |                               |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |



| PART II  |  |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|--|--|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|----------|--|
| Provision of common reporting format tables for years reported (continued) |  |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  |  | Years                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Information gaps relating to reporting <sup>b</sup> | Comments |  |
|  |  | Base year <sup>a</sup> | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |   |          |  |
| Waste  | Sectoral report: Table 6                             |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
|  | SBDT Table 6.A                                       |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
|  | Table 6.B  |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
|  | Table 6.C  |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
| Summary and other tables   | SBDT Summary 1.A                                     |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
|  | Summary 1.B  |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
|  | Summary 2 (CO <sub>2</sub> equivalent emissions)     |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
|  | Summary 3 (Methods/emission factors)                 |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
|  | Table 7 (Key categories)                             |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
|  | Table 8(a) (Recalculation – recalculated data)       |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |      |   |          |  |
|  | Table 8(b) (Recalculation – explanatory information) |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |      |   |          |  |
|  | Table 9(a) (Completeness)                            |                        | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |   |          |  |
|  | Table 9(b) (Completeness)                            |                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |          |  |
|  | Table 10 (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 the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

<sup>b</sup> 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).

<sup>c</sup> 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 are required to report these tables on a mandatory basis commencing with the 2010 submission; however, they may elect to report these tables on a voluntary basis before this submission. Parties may also elect to report these tables for the base year or 1990.

| PART III<br>Provision of information relating to recalculations |           |  |                               |             |                         |       |
|---|-----------|--|-------------------------------|-------------|-------------------------|-------|
| Table 8(a) (Recalculated data)                                  | ✓         | Comments                               |                               |             |                         |       |
| Recalculation reported for years                                | 1990–2006 |  |                               |             |                         |       |
| Recalculated sectors/gases                                      | Energy    | Industrial processes                   | Solvent and other product use | Agriculture | LULUCF                  | Waste |
| CO <sub>2</sub>   | ✓         | ✓                                      |                               |             | ✓                       | ✓     |
| CH <sub>4</sub>   | ✓         | ✓                                      |                               | ✓           | ✓                       | ✓     |
| N <sub>2</sub> O  | ✓         |  |                               | ✓           | ✓                       | ✓     |
| HFCs  |           | ✓                                      |                               |             |                         |       |
| PFCs  |           | ✓                                      |                               |             |                         |       |
| SF <sub>6</sub>   |           | ✓                                      |                               |             |                         |       |
| Table 8(b) (Explanatory information)                            | ✓         | ✓                                      |                               | ✓           | ✓                       | ✓     |
| Percentage difference in aggregate greenhouse gas emission      |           | base year estimate: <sup>a</sup>       | with LULUCF: 11.2 %           |             | without LULUCF: –0.08 % |       |
|   |           | latest recalculated year: <sup>b</sup> | with LULUCF: 1.01 %           |             | without LULUCF: –0.34 % |       |

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

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

| PART IV   |  |          |          |
|---|--|----------|----------|
| Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4 |  |          |          |
|   |  | Provided | Comments |
| Reporting requirements under decision 15/CMP.1, annex, paragraphs 5–9                         | 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 <sup>a</sup> and decision 16/CMP.1.  |          |          |
|   | Information on geographical location of the boundaries of areas that encompass:  |          |          |
|   | Units of land subject to activities under Article 3.3  |          |          |
|   | 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   |          |          |
|   | Land subject to elected activities under Article 3.4   |          |          |
|   | Information on the spatial assessment unit for determining the area of accounting for afforestation, reforestation and deforestation.  |          |          |
|   | 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. |          |          |
|   | Information on carbon pools (above-ground / below-ground biomass, litter, dead wood and soil organic carbon) that are not accounted for.   |          |          |
|   | Information on anthropogenic GHGs from LULUCF activities under Article 3.3 and 3.4 factoring out removals from:  |          |          |
|   | Elevated CO <sub>2</sub> concentrations above pre-industrial levels  |          |          |
|   | Indirect nitrogen deposition   |          |          |
|   | The dynamic effects of age structure resulting from activities prior to 1 January 1990   |          |          |
|   | Specific information to be reported for Article 3.3 activities:  |          |          |
|   | 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  |          |          |
|   | How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation  |          |          |
|   | 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:  |          |          |
|   | Activities under Article 3.4 that occurred since 1 January 1990 and are human induced  |          |          |
|   | 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   |          |          |
|   | Emissions/removals from Article 3.4 activities that are not accounted for under activities under Article 3.3   |          |          |
|   | Forest management: information on the extent to which GHG removals by sinks offsets the debit incurred under Article 3.3   |          |          |

<sup>a</sup> 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 are required to report these tables on a mandatory basis commencing with the 2010 submission; however, they may elect to report these tables on a voluntary basis before this submission. Parties may also elect to report these tables for the base year or 1990.

<sup>b</sup> The Intergovernmental Panel on Climate Change *Good Practice Guidance for Land Use, Land-Use Change and Forestry*.