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COMPLIANCE COMMITTEE

CC/ERT/ASR/2016/6  
1 September 2016

## **Status report of the annual inventory of Finland**

### **Note by the secretariat**

The status report of the annual inventory of Finland was published on 14 July 2016. 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 decisions 4/CMP.4 and 8/CMP.9), the report is considered received by the secretariat on the same date. This report, FCCC/ASR/2016/FIN, 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.



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## Status report of the annual inventory of Finland

1. This status report was prepared by the secretariat pursuant to decision 22/CMP.1 in conjunction with 4/CMP.11, as part of the initial check of Finland's annual inventory, submitted in accordance with decisions 24/CP.19, 15/CMP.1 in conjunction with 3/CMP.11 and 2/CMP.8. It reflects the content of the inventory submission of 2016 as submitted by the Party.

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

|   |  |
|---|--|
| CRF: common reporting format  | <i>Kyoto Protocol units</i>                  |
| GHG: greenhouse gas   |  |
| HWP: harvested wood products  | AAU: assigned amount unit                    |
| KP-LULUCF: Article 3, paragraphs 3 and 4, activities under the Kyoto Protocol | ERU: emission reduction unit                 |
| LULUCF: land use, land-use change and forestry                                | RMU: removal unit                            |
| IPPU: industrial processes and product use                                    | CER: certified emission reduction            |
| NIR: national inventory report  | ICER: long-term certified emission reduction |
| SBDT: sectoral background data tables   | tCER: temporary certified emission reduction |
| SEF: standard electronic format   |  |
| SWDS: solid waste disposal sites  | <i>Notation keys</i>                         |

### *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

C: confidential  
 IE: included elsewhere  
 NA: not applicable  
 NE: not estimated  
 NO: not occurring



| GREENHOUSE GAS INVENTORY SUBMISSION |   |  |  |  |                                 |      |      |  |   |                 |      |        |                 |
|-------------------------------------|---|--|--|--|---------------------------------|------|------|--|---|-----------------|------|--------|-----------------|
| General information                 |   | Date of receipt  |  |  | Date of resubmission            |      |      |  | Comments  |                 |      |        |                 |
|                                     | NIR   | 15-Apr-16  |  |  | 15-Jun-16                       |      |      |  |   |                 |      |        |                 |
|                                     | CRF tables <sup>a</sup>   | 15-Apr-16  |  |  |                                 |      |      |  |   |                 |      |        |                 |
|                                     | Additional information <sup>b</sup>   | 11-Mar-16  |  |  | 15-Apr-16, 15-Jun-16, 29-Jun-16 |      |      |  | Files submitted: 2014_FIN_UA-KCA_v235.xlsx; Annex A_CSEUR_DB_MODEL_20150113.PDF; Annex B - Changes From 6.3.3.2 to 6.7.3.xlsx; and AnnexH test results EU - 07March2016.docx; FI_UN_NIR_2014_20160615.pdf |                 |      |        |                 |
|                                     | CRF provided for years  | 1990-2014  |  |  |                                 |      |      |  |   |                 |      |        |                 |
|                                     | Base year or period <sup>c</sup>  | 1990   | Base year for HFCs, PFCs, SF <sub>6</sub> <sup>d</sup> |  |                                 |      | 1995 | Base year for NF <sub>3</sub> <sup>e</sup> |   |                 | 1995 |        |                 |
|                                     | 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. <sup>f</sup> |  |  |                                 |      |      |  |   |                 |      |        |                 |
|                                     | Language of NIR   | English  |  |  |                                 |      |      |  |   |                 |      |        |                 |
| CRF <sup>g</sup>                    | Missing source category larger than 7 per cent for categories included in Annex A to the Kyoto Protocol |  |  | 7 per cent assessment not applicable in 2016 |                                 |      |      |  |   |                 |      |        |                 |

<sup>a</sup> 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 and 11/CP.4.

<sup>d</sup> A Party may select 1990 or 1995 as the base year for HFC, PFC and SF<sub>6</sub> gases in accordance with Article 3, paragraph 8, of the Kyoto Protocol.

<sup>e</sup> A Party may select 1990, 1995 or 2000 as the base year for NF<sub>3</sub> in accordance with Article 3, paragraph 8 bis of the Doha Amendment to the Kyoto Protocol.

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

<sup>g</sup> A Party has not reported an estimate for an Annex A source category that accounted for 7 per cent or more of the Party's aggregate emissions (decision 15/CMP.1, para. 3(b), in conjunction with decision 3/CMP.11).

| SUBMISSION OF SUPPLEMENTARY INFORMATION UNDER ARTICLE 7.1 |   |                        |                             |   |
|---|---|------------------------|-----------------------------|---|
| Reporting of supplementary information                    |   | <i>Date of receipt</i> | <i>Date of resubmission</i> | <i>Comments</i>                                   |
|   | KP-LULUCF information <sup>a</sup>                                  | 15-Apr-16              | 15-Jun-16                   | NIR chapter 11, page 394                          |
|   | KP-LULUCF CRF <sup>b</sup>  | 15-Apr-16              |                             | KP-LULUCF CRF provided for years: 1990, 2013-2014 |
|   | Information on Kyoto units (ERUs, CERs, RMUs and AAUs) <sup>c</sup> | 15-Apr-16              | 15-Jun-16                   | NIR chapter 12, page 423                          |
|   | SEF <sup>d</sup> with Kyoto Protocol units                          | 11-Mar-16              | 25-May-16, 15-Jun-16        | Years reported: 2014, 2015                        |
|   | Change in national system <sup>e</sup>                              | 15-Apr-16              | 15-Jun-16                   | NIR chapter 13, page 426                          |
|   | Change in national registry <sup>e</sup>                            | 15-Apr-16              | 15-Jun-16                   | NIR chapter 14, page 427                          |
|   | Minimization of adverse impacts <sup>e</sup>                        | 15-Apr-16              | 15-Jun-16                   | NIR chapter 14, page 429                          |

<sup>a</sup> 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 decision 2/CMP.8, annex II, paragraphs 1–5.

<sup>b</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, forest management and, if any, elected activities under Article 3, paragraph 4. Parties may also elect to report these tables for the base year or 1990.

<sup>c</sup> Parties are required to include in their annual submission information on ERUs, CERs, tCERs, ICERs, AAUs and RMUs, in accordance with decision 15/CMP.1, annex, chapter I.E, in conjunction with annex II to decision 3/CMP.11.

<sup>d</sup> SEF for reporting Kyoto Protocol units, as required by annex II to decision 3/CMP.11.

<sup>e</sup> The requirements for Parties to report on changes in national systems in accordance with Article 5, paragraph 1, of the Kyoto Protocol, changes in national registries, and the minimization of adverse impacts in accordance with Article 3, paragraph 14, of the Kyoto Protocol, are set out in decision 15/CMP.1, annex, chapters I.F, I.G and I.H respectively, in conjunction with annex II to decision 3/CMP.11.

| PART I   |                        |   |           |      |             |   |        |   |                        |       |       |   |
|--|------------------------|---|-----------|------|-------------|---|--------|---|------------------------|-------|-------|---|
| Provision of information for the latest reported inventory year in the common reporting format: 2014 |                        |   |           |      |             |   |        |   |                        |       |       |   |
|  | Energy                 |   | IPPU      |      | Agriculture |   | LULUCF |   | KP-LULUCF <sup>a</sup> |       | Waste |   |
|  | Sectoral report tables | 1 | ✓         | 2(I) | ✓           | 3 | ✓      | 4 | ✓                      | NIR-1 | ✓     | 5 |
|  |                        |   | 2(II)     | ✓    |             |   |        |   |                        |       |       |   |
| Sectoral background data tables  | 1.A(a)                 | ✓ | 2(I).A-H  | ✓    | 3.A         | ✓ | 4.1    | ✓ | NIR-2                  | ✓     | 5.A   | ✓ |
|  | 1.A(b)                 | ✓ | 2(II).B-H | ✓    | 3.B(a)      | ✓ | 4.A    | ✓ | NIR-3                  | ✓     | 5.B   | ✓ |
|  | 1.A(c)                 | ✓ |           |      | 3.B(b)      | ✓ | 4.B    | ✓ | 4(KP)Recalculations    |       | 5.C   | ✓ |
|  | 1.A(d)                 | ✓ |           |      | 3.C         | ✓ | 4.C    | ✓ | 4(KP)                  | ✓     | 5.D   | ✓ |
|  | 1.B.1                  | ✓ |           |      | 3.D         | ✓ | 4.D    | ✓ | 4(KP-I)A.1             | ✓     |       |   |
|  | 1.B.2                  | ✓ |           |      | 3.E         | ✓ | 4.E    | ✓ | 4(KP-I)A.1.1           | ✓     |       |   |
|  | 1.C                    | ✓ |           |      | 3.F         | ✓ | 4.F    | ✓ | 4(KP-I)A.2             | ✓     |       |   |
|  | 1.D                    | ✓ |           |      | 3.G-I       | ✓ | 4(I)   | ✓ | 4(KP-I)A.2.1           | ✓     |       |   |
|  |                        |   |           |      |             |   | 4(II)  | ✓ | 4(KP-I)B.1             | ✓     |       |   |
|  |                        |   |           |      |             |   | 4(III) | ✓ | 4(KP-I)B.1.1           | ✓     |       |   |
|  |                        |   |           |      |             |   | 4(IV)  | ✓ | 4(KP-I)B.1.2           |       |       |   |
|  |                        |   |           |      |             |   | 4(V)   | ✓ | 4(KP-I)B.1.3           | ✓     |       |   |
|  |                        |   |           |      |             |   |        |   | 4(KP-I)B.2             | ✓     |       |   |

|                |  |   |                            |                  |                         |   |
|----------------|--|---|----------------------------|------------------|-------------------------|---|
|                |  |   |                            | 4(KP-I)B.3       | ✓                       |   |
|                |  |   |                            | 4(KP-I)B.4       | ✓                       |   |
|                |  |   |                            | 4(KP-I)B.5       | ✓                       |   |
|                |  |   |                            | 4(KP-I)C         | ✓                       |   |
|                |  |   |                            | 4(KP-II)1        | ✓                       |   |
|                |  |   |                            | 4(KP-II)2        | ✓                       |   |
|                |  |   |                            | 4(KP-II)3        | ✓                       |   |
|                |  |   |                            | 4(KP-II)4        | ✓                       |   |
|                |  |   |                            | Accounting table | ✓                       |   |
| 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       | At the time of publication the consistency check of key categories reported in CRF Table 7 against those provided in the NIR could not be undertaken due to an issue in the CRF reporter. The check will be performed <i>a posteriori</i> and the information will be made available to the Expert Review Team prior to the inventory review |   |                            |                  |                         |   |

<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.9.

| PART I   |  |                    |                   |                                 |                      |                                       |                                 |                   |                   |
|--|--|--------------------|-------------------|---------------------------------|----------------------|---------------------------------------|---------------------------------|-------------------|-------------------|
| Provision of information for the latest reported inventory year in the common reporting format: 2014 (continued) |  |                    |                   |                                 |                      |                                       |                                 |                   |                   |
| 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                                 | 1990–2014          | 1990–2014         | 1990–2014                       | 1990–2014            | 1990–2014                             |                                 | 1990–2014         |                   |
| 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                            |                      | Unspecified mix of HFCs and PFCs      |                                 | SF <sub>6</sub>   | NF <sub>3</sub>   |
|  |  | ✓                  | ✓                 |                                 |                      |                                       |                                 |                   |                   |
| Notation keys  | Used in  | Summary table 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 | 2014 |          |   |  |
| 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            | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        | ✓ | No numerical data are reported in this table for the years 1990–2014. For these years the notation key NO is used. |
|        |                          | Table 1.B.2            | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        | ✓ |  |
|        |                          | Table 1.C              | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        | ✓ | No numerical data are reported in this table for the years 1990–1992. For these years the notation key NO is used. |
|        |                          | 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) |      |                          |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|  |      | Years                    |      |      |      |      |      |      |      |      |      |      |      |      |      | Comments |  |
|  |      | Base year <sup>a</sup>   | 1990 | 1995 | 2000 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |          |  |
| Agriculture  | SBDT | Sectoral report: Table 3 | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        |  |
|  |      | Table 3.A                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        |  |
|  |      | Table 3.B(a)             | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        |  |
|  |      | Table 3.B(b)             | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        |  |
|  |      | Table 3.C                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        | No numerical data are reported in this table for the years 1990–2014. For these years the notation key NO is used. |
|  |      | Table 3.D                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        |  |
|  |      | Table 3.E                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        | No numerical data are reported in this table for the years 1990–2014. For these years the notation key NO is used. |
|  |      | Table 3.F                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        |  |
|  |      | Table 3.G-I              | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓        |  |
| LULUCF   | SBDT | Sectoral report: Table 4 | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |  |
|  |      | Table 4.1                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |  |
|  |      | Table 4.A                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |  |
|  |      | Table 4.B                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |  |
|  |      | Table 4.C                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |  |
|  |      | Table 4.D                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |  |
|  |      | Table 4.E                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |  |
|  |      | Table 4.F                | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |  |

**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 | 2014 |          |
|  | Table 4.G    | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Table 4(I)   | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Table 4(II)  | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Table 4(III) | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Table 4(IV)  | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Table 4(V)   | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |

| 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 | 2014 |          |   |  |  |
| Sectoral report:   | Table NIR-1               |                        |                    |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓        |   |  |  |
|  | Table NIR-2               |                        |                    |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓        |   |  |  |
|  | Table NIR-3               |                        |                    |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓        |   |  |  |
|  | Table 4(KP)Recalculations |                        |                    |      |      |      |      |      |      |      |      |      |      |      |      |          |   |  |  |
|  | Table 4(KP)               |                        |                    |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓        |   |  |  |
|  | KP-LULUCF                 | Table 4(KP-I)A.1       |                    |      |      |      |      |      |      |      |      |      |      |      |      | ✓        | ✓ |  |  |
|  |                           | Table 4(KP-I)A.1.1     |                    |      |      |      |      |      |      |      |      |      |      |      |      | ✓        | ✓ | No numerical data are reported in this table for the years 2013–2014. For these years the notation key NA is used. |  |
|  |                           | Table 4(KP-I)A.2       |                    |      |      |      |      |      |      |      |      |      |      |      |      | ✓        | ✓ |  |  |
|  |                           | Table 4(KP-I)A.2.1     |                    |      |      |      |      |      |      |      |      |      |      |      |      |          | ✓ |  |  |
|  |                           | SBDT                   | Table 4(KP-I)B.1   |      |      |      |      |      |      |      |      |      |      |      |      |          | ✓ | ✓  |  |
|  |                           |                        | Table 4(KP-I)B.1.1 |      |      |      |      |      |      |      |      |      |      |      |      |          | ✓ | ✓  |  |
|  |                           |                        | Table 4(KP-I)B.1.2 |      |      |      |      |      |      |      |      |      |      |      |      |          |   |  |  |
|  | Table 4(KP-I)B.1.3        |                        |                    |      |      |      |      |      |      |      |      |      |      |      |      | ✓        | ✓ |  |  |

**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 | 2014 |  |
|  | Table 4(KP-I)B.2 |                        |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    | No numerical data are reported in this table for the years 2013–2014. For these years the notation key NA is used. |
|  | Table 4(KP-I)B.3 |                        |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    | No numerical data are reported in this table for the years 2013–2014. For these years the notation key NA is used. |
|  | Table 4(KP-I)B.4 |                        |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    | No numerical data are reported in this table for the years 2013–2014. For these years the notation key NA is used. |
|  | Table 4(KP-I)B.5 |                        |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    | No numerical data are reported in this table for the years 2013–2014. For these years the notation key NA is used. |
|  | Table 4(KP-I)C   |                        |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    |  |
|  | Table 4(KP-II)1  |                        |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    |  |
|  | Table 4(KP-II)2  |                        |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    |  |
|  | Table 4(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 4(KP-II)4  |                        |      |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    |  |
|  | Table Accounting | ✓                      | ✓    |      |      |      |      |      |      |      |      |      |      | ✓    | ✓    |  |

| 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 | 2014 |          |
| Waste  | Sectoral report: Table 5 | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | SBDT                     | 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                  |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
|  |   | Base year <sup>a</sup> | 1990 | 1995 | 2000 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Comments |
| Summary and other tables   | Summary 1.A   | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Summary 2 (CO <sub>2</sub> equivalent emissions)                      | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Summary 3 (Methods/emission factors)                                  | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Table 6 (Indirect emissions of N <sub>2</sub> O and CO <sub>2</sub> ) | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Table 7 (Key categories)  | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |          |
|  | Table 8 (Recalculation – recalculated data)                           | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |      |          |
|  | Table 9 (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.

| PART III   |  |              |   |                 |       |           |
|--|--|--------------|---|-----------------|-------|-----------|
| Provision of information relating to recalculations        |  |              |   |                 |       |           |
| Table 8 (Recalculated data)                                | ✓                                      | Comments     | Explanatory information relating to recalculations is provided in the NIR |                 |       |           |
| Recalculation reported for years                           | 1990-2013                              |              |   |                 |       |           |
| Recalculated sectors/gases                                 | Energy                                 | IPPU         | Agriculture   | LULUCF          | Waste | KP-LULUCF |
| 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 emission | Base year estimate: <sup>a</sup>       | With LULUCF: | -0.39%  | Without LULUCF: | 0.02% |           |
|  | Latest recalculated year: <sup>b</sup> | With LULUCF: | 0.59%   | Without LULUCF: | 0.33% |           |

<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  | Observation |   |
| Reporting requirements under decision 2/CMP.8, annex II, paragraphs 1-5                       | 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 the 2006 Intergovernmental Panel on Climate Change Guidelines for National Greenhouse Gas Inventories and any relevant supplementary guidance recognizing the principles laid out in decision 16/CMP.1.              |   | ✓           |   |
|   | Information on geographical location of the boundaries of areas that encompass:   |   |             |   |
|   |   | Units of land subject to activities under Article 3, paragraph 3  | ✓           |   |
|   |   | Units of land subject to activities under Article 3, paragraph 3, which would otherwise be included in land subject to forest management or elected activities under Article 3, paragraph 4 | ✓           |   |
|   |   | Land subject to forest management or elected activities under Article 3, paragraph 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, paragraph 3, and Article 3, paragraph 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.  |   | ✓           |   |
|   | When a Party applies the provisions for natural disturbances, information demonstrating that these emissions in any single year exceed the background level(s), including a margin, when needed. For this purpose the Party shall include information showing:  |   |             |   |
|   |   | That all lands subject to exclusion due to natural disturbances are identified  | ✓           | Finland have not applied the natural disturbance provision for 2013 or 2014 |
|   |   | How annual emissions resulting from natural disturbances and the subsequent removals are estimated and excluded from accounting   | ✓           | Finland have not applied the natural disturbance provision for 2013 or 2014 |
|   |   | That no land-use change has occurred on lands for which the provisions in decision 2/CMP.7, annex, paragraph 33, are applied  | ✓           | Finland have not applied the natural disturbance provision for 2013 or 2014 |

| <b>PART IV</b>   |                 |   |
|--|-----------------|---|
| <b>Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4 (continued)</b>   |                 |   |
|  | <i>Provided</i> | <i>Observation</i>  |
| That events and circumstances were beyond the control of the Party   | ✓               | Finland have not applied the natural disturbance provision for 2013 or 2014 |
| The efforts taken to rehabilitate the land for which the provisions contained in decision 2/CMP.7, annex, paragraph 33, are applied  | ✓               | Finland have not applied the natural disturbance provision for 2013 or 2014 |
| That emissions associated with salvage logging were not excluded from accounting   | ✓               | Finland have not applied the natural disturbance provision for 2013 or 2014 |
| If not accounted for by instantaneous oxidation, information on GHG emissions/removals resulting from changes in the HWP pool accounted for in accordance with decision 2/CMP.7, including:                    |                 |   |
| Activity data for the HWP categories used for estimating the pool removed from domestic forests, for domestic consumption and for export   | ✓               |   |
| Half-lives used in estimating emissions/removals for the HWP categories used   | ✓               |   |
| Whether emissions from HWP originating from forests prior to the start of the second commitment period have been included in the accounting, if the forest management reference level is based on a projection | ✓               |   |
| How emissions from the HWP pool accounted for in the first commitment period on the basis of instantaneous oxidation have been excluded from the accounting for the second commitment period                   | ✓               |   |
| How the HWP resulting from deforestation have been accounted on the basis of instantaneous oxidation   | ✓               |   |
| How CO <sub>2</sub> emissions from HWP in SWDS and from wood harvested for energy purposes have been accounted on the basis of instantaneous oxidation   | ✓               |   |
| How emissions/removals from changes in the HWP pool accounted for do not include imported harvested wood products  | ✓               |   |
| Information on anthropogenic GHGs from LULUCF activities under Article 3, paragraph 3, and Article 3, paragraph 4, factoring out removals from:  |                 |   |
| Elevated CO <sub>2</sub> concentrations above pre-industrial levels  | ✓               |   |

| PART IV   |  |          |   |
|---|--|----------|---|
| Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4 (continued) |  |          |   |
|   |  | Provided | Observation   |
|   | Indirect nitrogen deposition   | ✓        |   |
|   | The dynamic effects of age structure resulting from activities prior to 1 January 1990   | ✓        |   |
|   | Specific information to be reported for activities under Article 3, paragraph 3:   |          |   |
|   | Activities under Article 3, paragraph 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  | ✓        |   |
|   | How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation  | ✓        |   |
|   | Specific information to be reported for activities under Article 3, paragraph 4:   |          |   |
|   | Activities under Article 3.4 that occurred since 1 January 1990 and are human induced  | ✓        |   |
|   | Cropland management, grazing land management, revegetation, wetland drainage and rewetting; 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 | ✓        | Finland do not elected cropland management, grazing land management, revegetation, wetland drainage and rewetting |
|   | Emissions/removals from activities under Article 3, paragraph 4, are not accounted for under activities under Article 3, paragraph 3   | ✓        |   |
|   | Information on how emissions arising from the conversion of natural forests to planted forests are accounted for   | ✓        |   |
|   | Methodological consistency between the reference level and reporting for forest management   | ✓        |   |
|   | Technical corrections made pursuant to decision 2/CMP.7, annex, paragraph 14   | ✓        |   |
|   | Forest management: if emissions/removals from the harvest and conversion of forest plantations to non-forest land were included, information how requirements set out in decision 2/CMP.7, annex, paragraphs 37–39 were met, including:                        |          |   |
|   | The identification of all lands and associated carbon pools subject to decision 2/CMP.7, annex, paragraph 37, including the georeferenced location and year of conversion  | ✓        | Finland does not apply the provision of Carbon Equivalent Forests   |

| PART IV   |  |  |  |  |
|---|--|--|--|--|
| Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4 (continued) |  |  |  |  |
|   |  |  | <i>Provided</i>  | <i>Observation</i>   |
|   |  |  | A demonstration that the forest plantation was first established through direct human-induced planting and/or seeding of non-forest land before 1 January 1990, and, if the forest plantation was re-established, that this last occurred on forest land through direct human-induced planting and/or seeding after 1 January 1960 | ✓<br>Finland does not apply the provision of Carbon Equivalent Forests |
|   |  |  | A demonstration that a new forest of at least equivalent area to the harvested forest plantation is established through direct human-induced planting and/or seeding of non-forested land that did not contain forest on 31 December 1989  | ✓<br>Finland does not apply the provision of Carbon Equivalent Forests |
|   |  |  | A demonstration that this newly established forest will reach at least the equivalent carbon stock that was contained in the harvested forest plantation at the time of harvest, within the normal harvesting cycle of the harvested forest plantation, and, if not, a debit would be generated under Article 3, paragraph 4       | ✓<br>Finland does not apply the provision of Carbon Equivalent Forests |