

Existing MRV arrangements: Reporting information on national GHG inventory under the Convention and the Kyoto Protocol (Ver 05/11/2017)

Heading/ Subheadings	Annex I Parties/ developed country Parties (Convention & KP) GHG inventory requirements	Non-Annex I Parties/ developing country Parties (Convention) GHG inventory requirements
1. Mandate	<p>Convention</p> <ul style="list-style-type: none"> • Articles 4.1 and 12.1 of the Convention • Relevant decisions of the COP (e.g. decisions 4/CP.5 and 2/CP.17) <p>KP</p> <ul style="list-style-type: none"> • Articles 5 and 7 of the KP • Relevant decisions of the CMP (e.g. 15/CMP.1, 16/CMP.1 and 3/CMP.11) 	<ul style="list-style-type: none"> • Articles 4.1 and 12.1 of the Convention • Relevant decisions of the COP (e.g. decisions 17/CP.8 and 2/CP.17)
2. GHG inventory-related information reported	<p>Annual GHG inventories (decision 24/CP.19)</p> <ul style="list-style-type: none"> • Time series of GHG emissions and removals not covered by the Montreal Protocol (MP) from base year to two years before the submission year • Gases covered: <ul style="list-style-type: none"> ○ CO₂, CH₄, N₂O, HFC, PFC, SF₆ and NF₃ ○ Precursor gases (CO, NO_x, NMVOCs, SO_x) (encouraged) • Descriptions, references and sources of information for the specific methodologies, including higher-tier methods and models, assumptions, EFs and AD (NIR) • Key category analysis (KCA), completeness, recalculations, uncertainty assessment and QA/QC (NIR) • National inventory arrangements (NIR) • Data, implied emission factors, KCA, methods and results 	<p>NC (decision 17/CP.8)</p> <ul style="list-style-type: none"> • GHG emissions and removals not controlled by the MP for a specific year (e.g. 1994, 2000) • Gases covered: <ul style="list-style-type: none"> ○ CO₂, CH₄ and N₂O ○ HFCs, PFCs, and SF₆ (encouraged) ○ Precursor gases (CO, NO, NMVOCs) (encouraged) • Information on methodologies including sources of EFs and AD (encouraged) • Tables 1 & 2; sectoral tables and IPCC worksheets (encouraged) • KCA and uncertainty assessment (encouraged) • Procedures and arrangements to collect and archive data (encouraged)

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	<p>from inventory estimates in CRF tables</p> <p>Kyoto Protocol (decision 15/CMP.1 in conjunction with 3/CMP.11)</p> <ul style="list-style-type: none"> • Supplementary information submitted with annual GHG inventory for ensuring compliance with Article 3 of the KP prepared in accordance with Article 5.2 (decision 15/CMP.1 in conjunction with 3/CMP.11): <ul style="list-style-type: none"> ○ GHG emissions and removals from LULUCF activities under Article 3, paras.3 and 4 of the KP ○ Information on holdings and transactions of units from KP flexibility mechanisms ○ Information on changes in national systems and national registries ○ Information on minimization of adverse impacts in accordance with Article 3, para.14 of the KP <p>NC (decision 4/CP.5)</p> <ul style="list-style-type: none"> • Summary information from the national GHG inventory from base year to two years before the submission year • Summary and emissions trend CRF tables from annual GHG inventory (as annex) • Information on national systems and national registries <p>BR (decision 2/CP.17)</p> <ul style="list-style-type: none"> • Summary information from the national greenhouse gas (GHG) inventory from 1990 to the latest year in the most recent inventory submission available • Summary information on national inventory arrangements and changes to these national inventory arrangements • Common tabular format tables including summary and emissions trend CRF tables from annual GHG inventory 	<p>BUR (decision 2/CP.17)</p> <ul style="list-style-type: none"> • Updates of national GHG inventories contained in the NCs submitted every 2 years according to the NC reporting guidelines (paras. 8-24) contained in decision 17/CP.8 • 1st BUR <i>shall</i>, at a minimum, cover GHG inventory for the calendar year <u>no more than four years prior to the date of the submission</u> (or more recent years if information is available) and subsequent BURs <i>shall</i> cover a calendar year <u>not earlier than the submission date by more than four years.</u> • Updated data on AD (change to EF to be made in the subsequent NC) • Summary information tables of inventories for previous submission years (e.g. for 1994 and 2000) (encouraged) • Tables included in annex 3A.2 to the IPCC good practice guidance for LULUCF (encouraged)

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3. Metrics used	Global warming potential values (GWPs) from table 2.14 of the errata to the contribution of WGI to the IPCC Fourth Assessment Report based on a 100-year time horizon	GWPs from the IPCC Second Assessment Report based on a 100-year time horizon
4. Frequency	<ul style="list-style-type: none"> • Every year GHG inventory • Every 2 years (BRs) • Every 4 years (NCs) 	<ul style="list-style-type: none"> • Every 4 years (NCs) • Every 2 years (BURs)
5. Methodologies and guidelines used	<ul style="list-style-type: none"> • 2006 IPCC Guidelines on National GHG Inventories • 2013 IPCC Wetlands Supplement (encouraged) • 2013 IPCC KP Supplement (for KP reporting) 	<ul style="list-style-type: none"> • Revised 1996 IPCC Guidelines • 2000 IPCC GPG (encouraged) • 2003 GPG LULUCF(encouraged)