

Addendum to 8th National Communication and 5th Biennial report of the Republic of Kazakhstan

Summary of the reporting of the Supplementary information under article 7 para.2 of the Kyoto Protocol in the NC8

N	15/CMP.1	Additional information provided by the Party
1.	Paras 30-31 (national system)	Chapter III section C
2.	Para 32 (national registry)	<p>There is no national registry on the assigned amounts under the Kyoto Protocol. The previous NCs contained information on the national registry, which works under the domestic ETS.</p> <p>However, this national registry is used only for carbon trading between local participants of the domestic ETS and does not perform any function related to Kyoto Protocol units. In order to avoid this confusion on the national registry, it was decided not to report this information within the context that Kazakhstan has not accepted the Doha Amendment.</p>
3.	Para 33 (supplementarity)	Doha Amendment provisions are not relevant to the Party as it was not ratified by the country.
4.	Para 34 (PaMs)	Chapter IV
5.	<p>Para 35</p> <p>With respect to aviation and marine bunker fuels, each Party included in Annex I shall, in pursuit of Article 2, paragraph 2, of the Kyoto Protocol, identify the steps it has taken to promote and/or implement any decisions by the International Civil Aviation Organization and the International Maritime Organization in order to limit or reduce emissions of greenhouse gases not controlled by the Montreal Protocol from aviation and marine bunker fuels</p>	<p>On page 115-116 there is a subchapter "<i>Policy and measures in the transport sector</i>"</p> <p>This subchapter contains information regarding the steps it has taken to promote and/or implement any decisions by the International Civil Aviation Organization and the International Maritime Organization in order to limit or reduce emissions of greenhouse gases not controlled by the Montreal Protocol from aviation and marine bunker fuels</p>
6.	<p>Para 36</p> <p>Each Party included in Annex I shall also provide information not reported elsewhere under these guidelines on how it strives to implement policies and measures under Article 2 of the Kyoto Protocol in such a way as to minimize adverse effects, including the adverse effects of climate change, effects on international trade, and social, environmental and economic impacts on other Parties, especially developing country Parties and in particular those</p>	<p>On page 333 there is a subchapter "7.6. Official development assistance provided by Kazakhstan to foreign countries"</p> <p>The Subchapter contains information on how it strives to implement policies and measures under Article 2 of the Kyoto Protocol in such a way as to minimize adverse effects, including the adverse effects of climate change, effects on international trade, and social, environmental and economic impacts on other Parties, especially developing country Parties and in particular those identified in Article 4, paragraphs 8 and 9, of the</p>

	identified in Article 4, paragraphs 8 and 9, of the Convention, taking into account Article 3 of the Convention.	Convention, taking into account Article 3 of the Convention.
7.	Para 37 (a) description of any domestic and regional legislative arrangements and enforcement and administrative procedures the Party has in place to meet its commitments under the Kyoto Protocol, including the legal authority for such programmes, how they are implemented, and procedures for addressing cases of non-compliance under domestic law	<p>Since Kazakhstan did not ratify Doha amendment, some work on updating environment legislation was performed.</p> <p>All policy and measures including legislation and national strategies are described in chapter IV. POLICIES AND MEASURES in sectors policy and measures.</p> <p>Additionally information on description of any domestic and regional legislative arrangements and enforcement and administrative procedures are described on pages 97 – 103. Market mechanisms are described in subchapter “<i>Market mechanisms of GHG emissions reduction and removals</i>” on page 104</p>
8.	Para 37 (b) A description of any provisions to make information on these legislative arrangements and enforcement and administrative procedures (e.g. rules on enforcement and administrative procedures, action taken) publicly accessible	<p>All national legislation is publicly available including laws, sub laws, strategies programs etc.</p> <p>National legislations is available at portal https://legalacts.egov.kz/</p> <p>On the stage of drafting and discussions of legislation every legal acts are open for comments and discussions</p> <p>Users intend the portal for posting draft concepts of laws and draft normative legal acts that do not contain information with limited access for public discussion.</p> <p>The portal aims to solve the following tasks:</p> <ul style="list-style-type: none"> • ensuring accessibility of regulatory legal acts developed for users; • providing user feedback (commenting, voting); • ensuring the formation of a public vision regarding the promotion of one or another innovation in the field of regulatory legal acts; • ensuring the formation of final reporting for subsequent analysis.
9.	Para 37(c) (flexibility mechanisms)	Kyoto flexible mechanisms were not applied in the country for the second commitment period that the Doha Amendment was not ratified by the country.
10.	Para 38 (biodiversity)	Chapter VI and VII
11.	Para 39	

	Each Party included in Annex I shall report its activities, actions and programmes undertaken in fulfilment of its commitments under Article 10.	
11.1.	Article 10 (a) Formulate, where relevant and to the extent possible, cost-effective national and, where appropriate, regional programmes to improve the quality of local emission factors, activity data and/or models which reflect the socio-economic conditions of each Party for the preparation and periodic updating of national inventories of anthropogenic emissions by sources and removals by sinks of all greenhouse gases not controlled by the Montreal Protocol, using comparable methodologies to be agreed upon by the Conference of the Parties, and consistent with the guidelines for the preparation of national communications adopted by the Conference of the Parties;	Information is available on Page 100 at subchapter: "c) description of the process for collecting activity data, emission factors and method"
11.2.	Article 10 (b) Formulate, implement, publish and regularly update national and, where appropriate, regional programmes containing measures to mitigate climate change and measures to facilitate adequate adaptation to climate change:	Information is available on Page 100 at CHAPTER 3, subchapter: "c) description of the process for collecting activity data, emission factors and method" And for adaptation Chapter 6, subchapter 6.9
11.3.	Article 10 (c) Cooperate in the promotion of effective modalities for the development, application and diffusion of, and take all practicable steps to promote, facilitate and finance, as appropriate, the transfer of, or access to, environmentally sound technologies, know-how, practices and processes pertinent to climate change, in particular to developing countries, including the formulation of policies and programmes for the effective transfer of environmentally sound technologies that are publicly owned or in the public domain and the creation of an enabling environment for the private sector, to promote and enhance the transfer of, and access to, environmentally sound technologies;	Information is available in subchapter 7.b Technology development and transfer
11.4.	Article 10 (d) Cooperate in scientific and technical research and promote the maintenance and the development of systematic observation systems and development of data archives to reduce uncertainties related to the climate system, the adverse impacts of climate change and the economic and social	Information is available in subchapter 8.1.International cooperation

	<p>consequences of various response strategies, and promote the development and strengthening of endogenous capacities and capabilities to participate in international and intergovernmental efforts, programmes and networks on research and systematic observation, taking into account Article 5 of the Convention;</p>	
11.5.	<p>Article 10 (e) Cooperate in and promote at the international level, and, where appropriate, using existing bodies, the development and implementation of education and training programmes, including the strengthening of national capacity building, in particular human and institutional capacities and the exchange or secondment of personnel to train experts in this field, in particular for developing countries, and facilitate at the national level public awareness of, and public access to information on, climate change. Suitable modalities should be developed to implement these activities through the relevant bodies of the Convention, taking into account Article 6 of the Convention;</p>	<p>Information is available in subchapter IX. EDUCATION, PERSONNEL TRAINING AND AWARENESS-RAISING CAMPAIGNS In addition, subchapter 7.6. Official development assistance provided by Kazakhstan to foreign countries” “</p>

Information on Kazakhstan's quantified economy-wide emission reduction target

Table 2(a)

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Description of quantified economy-wide emission reduction target: base year^a

<i>Party</i>	<i>Kazakhstan</i>	
Base year /base period	1990	
Emission reduction target	15% of base year/base period	% of 1990 ^b
Period for reaching target	BY-2020	

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Optional.

Table 2(b)

KAZ_BR5_vx.

Description of quantified economy-wide emission reduction target: gases and sectors covered^a

<i>Gases covered</i>	<i>Base year for each gas (year):</i>
CO ₂	1990
CH ₄	1990
N ₂ O	1990
HFCs	1990
PFCs	1990

SF ₆		1990
NF ₃		NA
Other Gases (specify)		
Sectors covered ^b	Energy	Yes
	Transport ^f	Yes
	Industrial processes ^g	Yes
	Agriculture	Yes
	LULUCF	No
	Waste	Yes
	Other Sectors (specify)	

Abbreviations: LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b More than one selection will be allowed. If Parties use sectors other than those indicated above, the explanation of how these sectors relate to the sectors defined by the IPCC should be provided.

^f Transport is reported as a subsector of the energy sector.

^g Industrial processes refer to the industrial processes and solvent and other product use sectors.

Table 2(c)

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Description of quantified economy-wide emission reduction target: global warming potential values (GWP)^a

<i>Gases</i>	<i>GWP values^b</i>
CO ₂	AR4
CH ₄	AR4
N ₂ O	AR4
HFCs	AR4

PFCs	AR4
SF ₆	AR4
NF ₃	NA
Other Gases (specify)	

Abbreviations: GWP = global warming potential

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Please specify the reference for the GWP: Second Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) or the Fourth Assessment Report of the IPCC.

Table 2(d)

KAZ_BR5_vx.x

Description of quantified economy-wide emission reduction target: approach to counting emissions and removals from the LULUCF sector^a

Role of LULUCF	LULUCF in base year level and target	Excluded
	Contribution of LULUCF is calculated using	

Abbreviation: LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

Table 2(e)I

KAZ_BR5_vx.x

Description of quantified economy-wide emission reduction target: market-based mechanisms under the Convention^a

<i>Market-based mechanisms</i>	<i>Possible scale of contributions</i>
<i>under the Convention</i>	<i>(estimated kt CO₂ eq)</i>
CERs	NA
ERUs	NA
AAUs ⁱ	NA

Carry-over units ^j	NA
Other mechanism units under the Convention (specify) ^d	

Abbreviations: AAU = assigned amount unit, CER = certified emission reduction, ERU = emission reduction unit.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^d As indicated in paragraph 5(e) of the guidelines contained in annex I of decision 2/CP.17 .

ⁱ AAUs issued to or purchased by a Party.

^j Units carried over from the first to the second commitment periods of the Kyoto Protocol, as described in decision 13/CMP.1 and consistent with decision 1/CMP.8.

Table 2(e)II

KAZ_BR5_vx.x

Description of quantified economy-wide emission reduction target: other market-based mechanisms^a

<i>Other market-based mechanisms</i>	<i>Possible scale of contributions</i>
<i>(Specify)</i>	<i>(estimated kt CO₂ eq)</i>
NA	NA

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

Information on Kazakhstan's achievement of its quantified economy-wide emission reduction target¹

Table 4

KAZ_BR5_vx.x

Reporting on progress^{a, b}

<i>Year^c</i>	<i>Total emissions excluding LULUCF</i>	<i>Contribution from LULUCF^d</i>	<i>Quantity of units from market based mechanisms under the Convention</i>		<i>Quantity of units from other market based mechanisms</i>	
	<i>(kt CO₂ eq)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>
Base year/period	385,603.00	NA	NA	NA	NA	NA
2010	300,827.00	NA	NA	NA	NA	NA
2011	290,780.93	NA	NA	NA	NA	NA
2012	295,683.66	NA	NA	NA	NA	NA
2013	303,671.29	NA	NA	NA	NA	NA
2014	351,476.32	NA	NA	NA	NA	NA
2015	355,832.87	NA	NA	NA	NA	NA
2016	360,910.22	NA	NA	NA	NA	NA
2017	379,435.89	NA	NA	NA	NA	NA
2018	392,754.75	NA	NA	NA	NA	NA
2019	359,628.25	NA	NA	NA	NA	NA
2020	342,868.79	NA	NA	NA	NA	NA

Abbreviation: GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b For the base year, information reported on the emission reduction target shall include the following: (a) total GHG emissions, excluding emissions and removals from the LULUCF sector; (b) emissions and/or removals from the LULUCF sector based on the accounting approach applied taking into consideration any relevant decisions of the Conference of the Parties and the activities and/or land that will be accounted for; (c) total GHG emissions, including emissions and removals from the LULUCF sector. For each reported year, information reported on progress made towards

the emission reduction targets shall include, in addition to the information noted in paragraphs 9(a–c) of the UNFCCC biennial reporting guidelines for developed country Parties, information on the use of units from market-based mechanisms.

^c Parties may add additional rows for years other than those specified below.

^d Information in this column should be consistent with the information reported in table 4(a)I or 4(a)II, as appropriate. The Parties for which all relevant information on the LULUCF contribution is reported in table 1 of this common tabular format can refer to table 1.

Table 4(a)I

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2019 ^{a,b}

	<i>Net GHG emissions/removals from LULUCF categories ^c</i>	<i>Base year/period or reference level value ^d</i>	<i>Contribution from LULUCF for reported year</i>	<i>Cumulative contribution from LULUCF ^e</i>	<i>Accounting approach ^f</i>
	<i>(kt CO₂eq)</i>				
Total LULUCF	NA	NA	NA	NA	NA
A. Forest land	NA	NA	NA	NA	NA
1. Forest land remaining forest land	NA	NA	NA	NA	NA
2. Land converted to forest land	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
B. Cropland	NA	NA	NA	NA	NA
1. Cropland remaining cropland	NA	NA	NA	NA	NA
2. Land converted to cropland	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
C. Grassland	NA	NA	NA	NA	NA
1. Grassland remaining grassland	NA	NA	NA	NA	NA
2. Land converted to grassland	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
D. Wetlands	NA	NA	NA	NA	NA
1. Wetland remaining wetland	NA	NA	NA	NA	NA
2. Land converted to wetland	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
E. Settlements	NA	NA	NA	NA	NA

1. Settlements remaining settlements	NA	NA	NA	NA	NA
2. Land converted to settlements	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
F. Other land	NA	NA	NA	NA	NA
1. Other land remaining other land	NA	NA	NA	NA	NA
2. Land converted to other land	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
G. Other	NA	NA	NA	NA	NA
Harvested wood products	NA	NA	NA	NA	NA

Abbreviations: GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^c For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

^d Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

^e If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

^f Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

^g Specify what was used for the category “other”. Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

Table 4(a)I

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2020 ^{a, b}

	<i>Net GHG emissions/removals from LULUCF categories ^c</i>	<i>Base year/period or reference level value ^d</i>	<i>Contribution from LULUCF for reported year</i>	<i>Cumulative contribution from LULUCF ^e</i>	<i>Accounting approach ^f</i>
	<i>(kt CO₂ eq)</i>				
Total LULUCF	NA	NA	NA	NA	NA
A. Forest land	NA	NA	NA	NA	NA
1. Forest land remaining forest land	NA	NA	NA	NA	NA
2. Land converted to forest land	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
B. Cropland	NA	NA	NA	NA	NA
1. Cropland remaining cropland	NA	NA	NA	NA	NA
2. Land converted to cropland	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
C. Grassland	NA	NA	NA	NA	NA
1. Grassland remaining grassland	NA	NA	NA	NA	NA
2. Land converted to grassland	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
D. Wetlands	NA	NA	NA	NA	NA
1. Wetland remaining wetland	NA	NA	NA	NA	NA

2. Land converted to wetland	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
E. Settlements	NA	NA	NA	NA	NA
1. Settlements remaining settlements	NA	NA	NA	NA	NA
2. Land converted to settlements	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
F. Other land	NA	NA	NA	NA	NA
1. Other land remaining other land	NA	NA	NA	NA	NA
2. Land converted to other land	NA	NA	NA	NA	NA
3. Other ^g	NA	NA	NA	NA	NA
G. Other	NA	NA	NA	NA	NA
Harvested wood products	NA	NA	NA	NA	NA

Abbreviations: GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^c For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

^d Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

^e If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

^f Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

^g Specify what was used for the category "other". Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

Table 4(b)

KAZ_BR5_vx.x

Reporting on progress^{a, b, c}

<i>Units of market based mechanisms</i>			<i>Year</i>		
			<i>2019</i>	<i>2020</i>	
<i>Kyoto Protocol units^d</i>	<i>Kyoto Protocol units</i>	<i>(number of units)</i>	NA	NA	
		<i>(kt CO₂ eq)</i>	NA	NA	
	<i>AAUs</i>	<i>(number of units)</i>	NA	NA	
		<i>(kt CO₂ eq)</i>	NA	NA	
	<i>ERUs</i>	<i>(number of units)</i>	NA	NA	
		<i>(kt CO₂ eq)</i>	NA	NA	
	<i>CERs</i>	<i>(number of units)</i>	NA	NA	
		<i>(kt CO₂ eq)</i>	NA	NA	
	<i>tCERs</i>	<i>(number of units)</i>	NA	NA	
		<i>(kt CO₂ eq)</i>	NA	NA	
	<i>ICERs</i>	<i>(number of units)</i>	NA	NA	
		<i>(kt CO₂ eq)</i>	NA	NA	
	<i>Other units^{d,e}</i>	<i>Units from market-based mechanisms under the Convention</i>	<i>(number of units)</i>	NA	NA
			<i>(kt CO₂ eq)</i>	NA	NA

	<i>Units from other market-based mechanisms</i>	<i>(number of units)</i>	NA	NA
		<i>(kt CO₂ eq)</i>	NA	NA
<i>Total</i>		<i>(number of units)</i>	NA	NA
		<i>(kt CO₂ eq)</i>	NA	NA

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, tCERs = temporary certified emission reductions.

Note: 2011 is the latest reporting year.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b For each reported year, information reported on progress made towards the emission reduction target shall include, in addition to the information noted in paragraphs 9(a-c) of the reporting guidelines, on the use of units from market-based mechanisms.

^c Parties may include this information, as appropriate and if relevant to their target.

^d Units surrendered by that Party for that year that have not been previously surrendered by that or any other Party.

^e Additional rows for each market-based mechanism should be added, if applicable.