International Civil Aviation Organization (ICAO) Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

Re-application Form for Emissions Unit Programmes
seeking eligibility to supply units to
the CORSIA first phase (2024 – 2026 compliance period)

(Version 2, February 2024)

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SECTION I: ABOUT THE ASSESSMENT OF RE-APPLICATIONS

Background

ICAO Member States and the aviation industry are implementing the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA). Together with other mitigation measures, CORSIA will help achieve international aviation's aspirational goal of carbon neutral growth from the year 2020. Aeroplane operators will meet their offsetting requirements under CORSIA by purchasing and cancelling CORSIA eligible emissions units. The ICAO Council determines CORSIA eligible emissions units upon recommendations by its Technical Advisory Body (TAB) and consistent with the CORSIA Emissions Unit Eligibility Criteria (EUC).

In March 2019, the ICAO Council unanimously approved the ICAO Document *CORSIA Emissions Unit Eligibility Criteria* for use by TAB in undertaking its tasks[1]. TAB's assessment of emissions units programmes is undertaken annually[2]. The results of ICAO Council decisions that take account of these recommendations are contained in the ICAO Document *CORSIA Eligible Emissions Units*[3].

ICAO invites emissions unit programmes[4] to apply for the 2024 cycle of assessment by the TAB, to determine eligibility to supply CORSIA-Eligible Emissions Unit for the **2024-2026 compliance period** (first phase). Any programme that submitted its application(s) in previous assessment cycles and would like to re-apply for TAB assessment must fill out this Re-application form.

The assessment process involves collecting information from each programme through this programme Re-application form and supplementary materials and requested evidence. In undertaking this work, TAB may also ask programmes to provide specific examples or case studies illustrating how programme procedures or systems perform in practice. Through this assessment, the TAB will develop recommendations on the list of eligible emissions unit programmes (and potentially activity types and unit dates) for use under the CORSIA first phase, which will then be considered by the ICAO Council.

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[1] Available on the ICAO CORSIA website: https://www.icao.int/environmental-protection/CORSIA/Pages/CORSIA-Emissions-Units.aspx

[2] Recommendations from 2019 TAB assessment cycle: https://www.icao.int/environmental-protection/CORSIA/Pages/TAB2019.aspx
Recommendations from 2020 TAB assessment cycle: https://www.icao.int/environmental-protection/CORSIA/Pages/TAB2020.aspx
Recommendations from 2021 assessment cycle: https://www.icao.int/environmental-protection/CORSIA/Pages/TAB2021.aspx
Recommendations from 2022 assessment cycle: https://www.icao.int/environmental-protection/CORSIA/Pages/TAB.aspx
Recommendations from 2023 assessment cycle: https://www.icao.int/environmental-protection/CORSIA/Pages/TAB.aspx

[3] Available on the ICAO CORSIA website: https://www.icao.int/environmental-protection/CORSIA/Pages/CORSIA-Emissions-Units.aspx

[4] "Emissions Unit Programme", for the purposes of TAB's assessment, refers to an organization that administers standards and procedures for developing activities that generate offsets, and for verifying and "issuing" offsets created by those activities. For more information, please review the TAB FAQs on the ICAO CORSIA website: https://www.icao.int/environmental-protection/CORSIA/Pages/TAB.aspx

This form is accompanied by, and refers to, Appendix A "*Supplementary Information for Assessment of Emissions Unit Programmes*", containing the EUC and *Guidelines for Criteria Interpretation*. These EUC and Guidelines are provided to inform programmes' completion of this Re-application form, in which they are cross-referenced by paragraph number.[5]

This form is also accompanied by Appendix B "*Programme Assessment Scope*", and Appendix C "*Programme Exclusions Scope*", which request all re-applicants to identify the programme elements[6] they wish to submit for, or exclude from, TAB's assessment.

CORSIA Eligible Emissions Units Programmes must also complete Appendix D of this Re-application form, "*Emissions Unit Programme Registry Attestation*" in line with the instructions contained that Appendix. Applicant organizations are strongly encouraged to submit this information by the deadline for submitting all other application materials for the current assessment cycle.

This form also requests *evidence of programme procedures or programme elements.* These evidentiary documents enable TAB to a) confirm that a given procedure or program element is *in place*, b) more fully comprehend the programme's summary responses, and c) archive the information as a reference for potential future assessments. Programme responses to this Re-application form will serve as the primary basis for the assessment. Such assessment may involve e.g. clarification questions, live interview(s) with TAB, and a completeness check of the application, as further requested.

Translation: As was done previously, if the programme documents and information are not published in English, the programme should fully describe in English (*rather than summarize*) this information in the fields provided in this form, and in response to any additional questions. Where this form requests *evidence of programme procedures*, programmes are strongly encouraged to provide these documents in English, to provide for accuracy and comprehension. Where this is not possible due to time constraints or document length, the programme may provide such documents in their original language in a readily translatable format (e.g., Microsoft Word). Those programmes that need to translate documents prior to submission may contact the ICAO Secretariat regarding accommodation.

Disclaimer: The information contained in the Re-application form, and any supporting evidence or clarification provided by the programme including information designated as "business confidential" by the programme, will be provided to the members of the TAB to properly assess the programme and make recommendations to the ICAO Council. The application and such other evidence or clarification will be made publicly available on the ICAO CORSIA website for the public to provide comments, except for information which the applicant designates as "business confidential". Public comments received during that period, including commenter names and organizations, are published following the decision by the Council in respect of TAB's eligibility recommendations for this cycle. All comments are published as received and Programe responses to public comments are not published on the ICAO website. The applicant shall bear all expenses related to the collection of information for

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[5] For further information on how TAB interprets the EUC in light of the *Guidelines*, refer to the document Clarifications of TAB's Criteria Interpretations Contained in TAB Reports available on the ICAO TAB website: https://www.icao.int/environmental-protection/CORSIA/Documents/TAB/TAB2023/ClarificationsofTABsCriteriaInterpretations.pdf

[6] At the "activity type" level (e.g., sector(s), sub-sector(s), and/or project "type(s)")

the preparation of the application, preparation and submission of the application to the ICAO Secretariat and provision of any subsequent clarification sought by the Secretariat and/or the members of the TAB. Under no circumstances shall ICAO be responsible for the reimbursement of such or any other expenses borne by the applicant in this regard, or any loss or damages that the applicant may incur in relation to the assessment and outcome of this process.

SECTION II: INSTRUCTIONS

Submission and contacts

A programme is invited to complete and submit the Re-application form, including accompanying evidence and with required appendices, through the ICAO CORSIA website no later than close of business on **4 March 2024**. Within seven business days of receiving this form, the Secretariat will notify the programme that its form was received.

If the programme has questions regarding the completion of this form, please contact ICAO Secretariat via email: TAB@icao.int. Programmes will be informed, in a timely manner, of clarifications provided by ICAO to any other programme.

Form basis and cross-references

Questions in this form align with the questions included in the application for TAB's annual assessment, and are derived from the CORSIA emissions unit eligibility criteria (EUC) and any *Guidelines for Criteria Interpretation*. Each question includes the paragraph number for its corresponding criterion or guideline that can be found in **Appendix A** "*Supplementary Information for Assessment of Emissions Unit Programmes*".

Re-application Form completion

Any programme that submitted its application(s) in previous assessment cycles and would like to apply in 2024 for TAB assessment must fill out this Re-application form. (Programmes that have never applied for TAB assessment are invited to instead use the Application form, which is designed for first-time applicants.) The programme is expected to respond to all questions in this application form at the time of application submission. TAB cannot initiate its assessment in which this information is not provided in full as requested in this section. Failure to provide complete information may result in delays to the assessment process.

A "complete" response involves three components: 1) a written summary response, 2) supporting evidence, 3) planned programme revisions, and 4) updates and changes to programme procedures since the previous application/approval.

1) Written summary responses: The programme is encouraged to construct written summary responses in a manner that provides for general comprehension of the given programme procedure, independent of supporting evidence. TAB will confirm each response in the supplementary evidence provided by the programme. Please note that written summary responses should be provided in all cases—supporting evidence (described in *c)* below) should not be considered as an alternative to a complete summary response.

2) Supporting evidence: Most questions in this form request *evidence of programme procedures or programme elements.* Such evidence may be found in programme standards, requirements, or guidance documents; templates; programme website or registry contents; or in some cases, in specific methodologies. To help manage file size, the programme should limit supporting documentation to that which directly substantiates

the programme's statements in this form.

Regarding such requests for evidence, programmes are expected to substantiate their responses in any of these ways (**in order of preference**):

a) web links to supporting documentation included along with the written summary response to each given question; with instructions for finding the relevant information within the linked source (i.e. identifying the specific text, paragraph(s), or section(s) where TAB can find evidence of the programme procedure(s) in question);

b) copying/pasting information directly into this form (no character limits) along with the written summary response;

c) attaching supporting documentation to this form at the time of submission, with instructions for finding the relevant information within the attached document(s);

EXAMPLE of preferred approach to providing supporting evidence that could meet expectations for complete responses to a question:

"The Programme ensures its consistency with this requirement by requiring / undertaking / etc. the following:

[Paragraph(s) introducing and summarizing specific programme procedures relevant to question, including quotes/excerpts of the relevant provisions in the programme's procedures]

The full contents of these procedures can be found in [Document title, page X, Section X, paragraphs X-X]. This document is publicly available at this weblink: [weblink]."

3) <u>Planned programme revisions</u>: Where the programme has any plans to revise the programme (e.g., its policies, procedures, measures, tracking systems, governance or legal arrangements), including to enhance consistency with a given criterion or guideline, please provide the following information in response to any and all relevant form question(s):

a) Proposed revision(s);
b) Process and proposed timeline to develop and implement the proposed revision(s);
c) Process and timeline for external communication and implementation of the revision(s).

4) <u>Updates and changes to programme procedures since the previous application/approval</u>: Each question in this form provides discrete fields for the programme to include, and clearly distinguish between, two key pieces of information:

(1) the information provided by the programme in its previous application—which includes all written clarifications and explanations shared with TAB over the course of the programme's previous assessment;

and

(2) new information describing any and all procedural changes and updates that programmes introduced

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between the dates of **(a)** their previous application or approval by ICAO Council and **(b)** 4 March 2024. Here, Programmes are requested to summarize and provide evidence of any and all changes, including those that were previously submitted for TAB's review as potential material changes.

Scope of re-application

The programme may elect to submit for TAB assessment all, *or only a subset,* of the activities supported by the programme. The programme is requested to identify, in the following Appendices, the activities that it wishes to submit for, or exclude from, TAB's assessment.

For programmes already eligible to supply emission units for the pilot phase, the programme may elect to revise the scope of activities supported by the programme and assessed by TAB, as compared to its current scope of eligibility. In such a case, the programme is requested to clearly identify, in the following Appendices, the additional activities that it wishes to submit for, or exclude from, TAB's assessment.

In **Appendix B** "*Programme Assessment Scope*", the programme should clearly identify, at the "activity type" level (e.g., sector(s), sub-sector(s), and/or programme/project "type(s)"), elements that were included in the previous application and were previously assessed by TAB and if applicable, **currently eligible under the *Scope of Eligibility[7]*, and additional elements that the programme is submitting for TAB's assessment**; as well as the specific methodologies, protocols, and/or framework(s) associated with these programme elements; which *are* described in this form.

In **Appendix C** "*Programme Exclusions Scope*", the programme should clearly identify, at the "activity type" level (e.g., sector(s), sub-sector(s), and/or programme/project "type(s)"), any elements that were excluded from TAB's previous assessments or are **currently outside of programme's *Scope of Eligibility,* and additional elements that the programme wishes to exclude from TAB's assessment**; as well as the specific methodologies, protocols, and/or framework(s) associated with these programme elements.

In **Appendix D** "*Emissions Unit Programme Registry Attestation*", the programme should complete and submit the information outlined in the instructions below, based on the status of its *Registry Attestation*:

- Programme **has not** previously completed and submitted a *Registry Attestation*: Refer to the instructions for completing the attached *Emissions Unit Programme Registry Attestation*, including the signature page and accompanying information form (Appendix D). Provide the completed materials along with this application form.

- Programme **has** previously completed and submitted a *Registry Attestation*: Respond only to Question 7.3 in the *Emissions Unit Programme Registry Attestation* form (Appendix D). ICAO will append this response to the programme's most recent *Registry Attestation* on file.

   o NOTE: These Programmes **are not** required to re-submit the *Registry Attestation*'s signature page or any other information in Questions 7.1, 7.2, 7.4–7.11 of Appendix D, but may use this

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[7] As defined in the latest *ICAO Document "CORSIA-Eligible Emissions Units"*, available via
https://www.icao.int/environmental-protection/CORSIA/Pages/CORSIA-Emissions-Units.aspx

opportunity to inform ICAO of any needed updates.

Treatment of EUC-relevant programme procedures at the methodology level

Programmes that identify with the following explanations are encouraged to summarize and provide evidence of both their overarching *programme-level* procedure(s) and *methodology-level* procedure(s) wherever relevant:

The CORSIA EUC and TAB assessments typically apply to *programme-level* procedures rather than to individual methodologies or projects. Most programmes' overarching guidance documents contain a mix of *general/guiding* requirements and *technical* ones. However, some programmes set out general requirements in overarching guidance documents, while reflecting key technical procedures in programme methodologies[8]. **Such methodologies may be relevant to TAB's assessment**. This could be the case where, e.g., the methodologies are developed directly by the programme (staff or contractors); the programme must refer to a methodology's requirements when describing its alignment with the EUC; the programme's general requirements alone are too high-level/non-specific for TAB to assess them as stand-alone procedures.

> EXAMPLE: Programme A's project standard contains its *programme-level* general requirements. The standard requires all activities to pass a programme-approved additionality test. However, Programme A sets out a unique list of approved tests in each of its methodologies—rather than providing a single list or menu in its programme-level standard. These lists vary across different activity types or category(ies). Thus, TAB may ultimately need to assess Programme A's programme- *and* methodology-level requirements in order to confirm its use of the specific additionality tests called for under the *Must be Additional* criterion.

"Linked" certification schemes

This application form should be completed and submitted exclusively on behalf of the programme that is described in Part I of this form.

Some programmes may supplement their standards by collaborating with other schemes that certify, e.g., the social or ecological "co-benefits" of mitigation. The programme can reflect a linked scheme's procedures in responses to this form, where this is seen as enhancing—i.e. going "above and beyond"—the programme's own procedures. For example, the programme may describe how a linked scheme audits sustainable development outcomes; but is not expected to report the linked scheme's board members or staff persons. Programmes should clearly identify any information provided in this form that pertains to a linked certification scheme and/or only applies when a linked certification scheme is used.

Disclosure of programme application forms and public comments

Applications, including information submitted in Appendices B, C, as well as other information submitted by applicants will be publicly available on the ICAO CORSIA website, except for materials which the applicants designate as business confidential.

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[8] Note that any applicant may use different terminology. For example, a programme may refer to a "methodology" as a protocol or framework.

The public will be invited to submit comments on the information submitted, including regarding consistency with the emissions unit criteria (EUC), through the ICAO CORSIA website, for consideration by the TAB in its assessment. All comments are published as received and Programme responses to public comments are not published on the ICAO website.

SECTION III: RE-APPLICATION FORM

PART 1: General information

A. Programme Information

Programme name: KCCI Carbon Standard (KCS) Program

Administering Organization[9]: KCCI (Korea Chamber of Commerce and Industry) center for Carbon Reduction Certification

Official mailing address: 18F, 39 Sejong-daero, Jung-gu, Seoul 04513, Korea

Telephone #:   +82 (2) 6050-3827 to 3833

Official web address: KCS Registry (Centero)- http://kcs.centero.kr , KCCI- http://english.korcham.net

B. Programme Administrator Information

Full name and title: Mr. Hyunsuk Kim, Expert Advisor of KCCI center for Carbon Reduction Certification

Employer / Company (*if not programme*): KCCI center for Carbon Reduction Certification

E-mail address: hkim@korcham.net; crcenter@korcham.net   Telephone #: +82 (2) 6050-3832

C. Programme Representative Information (if different from Programme Administrator)

Full name and title: Mr. Youngjun Cho, Executive Director of Sustainable Management Institution at KCCI

Employer / Company (*if not Programme*): Korea Chamber of Commerce and Industry (KCCI)

E-mail address: bestcho@korcham.net   Telephone #: +82 (2) 6050-3480

D. Programme Senior Staff / Leadership (e.g., President / CEO, board members)

List the names and titles of programme's senior staff / leadership, including board members:
  Mr. Youngjun Cho, an executive director of Sustainable Management Institution at KCCI is conducting his leadership on KCS Program, of which is operated by the two committees, secretariat with technical advisory group.

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[9] Name of the business, government agency, organization, or other entity that administers the Emissions Unit Programme, *if different from "Programme Name".*

Of the committees, steering committee set the KCCI carbon standard (KCS) and manages its frameworks and provide insight to support the range of stakeholders. A steering committee consists of 11 members including himself as listed below.

[Member of Steering Committee]
- Dr. Euichan Jeon, Professor at Sejong University
- Mr. Yeonwoo Choi, Director General at Korean Ministry of Trade, Industry and Energy
- Mr. Youngsuk Lee, Director General at Korean Ministry of Environment
- Dr. Hyungna Oh, Professor at Kyung Hee University
- Dr. Jaekyu Lim, Senior Research Fellow at Korea Energy Economics Institute
- Dr. Eunmi Jung, Executive Director at Korea Institute for Industrial Economics and Trade
- Ms. Sohee Kim, Secretary General at Climate Change Center
- Dr. Hyunjung Park, Vice Director at Institute for Climate Change Action
- Dr. Dongsoo Kim, Director of ESG Research Institute at Kim & Chang
- Mr. Seunghyun Hong, Head of Carbon Solution Department at Korea Investment & Securities Co., Ltd.
- Mr. Youngjun Cho, Executive Director of KCCI Sustainable Management Institution

Another independent governance to audit the process of validation and verification is a certification committee which consists of 8 members listed below. All the member of certification committee are responsible for approving the methodologies and projects that can join the KCS registry system and making a final decision on the eligibility of project to be issued KCR (KCS Certified Reductions) offset credits.

[Member of Certification Committee]
- Dr. Sungwoo Kim, Head of Environment and Energy Research Institute at Kim & Chang (Chairman since March 2024)
- Dr. Sangjun Lee, Professor at Seoul Tech University
- Dr. Bongkyun Kim, Director General at Korea Institute of S&T Evaluation and planning
- Dr. Jihye Jo, Director of Resource Circulation Division at Korea Environment Institute
- Dr. Jihyun Oh, Manager of Technical Analysis Center at National Institute of Green Technology
- Dr. Nokyoung Kim, Head of KCCI center for Carbon Reduction Certification
- Dr. Soonchul Park, Head of Net Zero Emissions Office at Korea National Cleaner Production Center
- Dr. Hongchong Cho, Professor at Dankook University

Considering the possibility of issues related to the fairness and impartiality of the committee list and stakeholders, the details of the list are not made public on the KCS registry and any related website. In addition to this, there is a pool of expert which consists of more than 15 substitutes to support a committee for extra advising if it is necessary. A sub-certification committee might be operated with those professionals in case the committee or the center needs.

The secretariat supports above committees, executives and performs a completeness check on the carbon reductions or removals and the Validation Report to ensure that they are compliant with the KCS Requirements. There are two teams and a technical advisory body, respectably as listed below.

[Top Executives]
- Mr. Taewon Chey, Chairman of KCCI
- Mr. Youngjun Cho, Executive Director of Sustainable Management Institution at KCCI

[Operations and Management Team]
- Dr. Nokyoung Kim, Head of KCCI center for Carbon Reduction Certification & Team Leader
- Dr. Jaesung Noh, Senior Manager & Research Fellow
- Mr. Kyoungjin Im, Senior Manager

[Strategy Planning and Development Team]
- Mr. Namhee Kim, Team Leader
- Mr. Hyunsuk Kim, Expert Advisor
- Mr. Seokjae Chung, Expert Advisor
- Mr. Junhyun Kim, Expert Advisor
- Mr. Donghyun Lim, Expert Advisor

[Technical Advisory Body]
- Mr. Sungeun Kim, Technical Advisor
- Mr. Kwonbin Son, Technical Advisor
- Mr. Yungyul Choi, Technical Advisor & Certified GHG Verifier
- Ms. Seonyoung Moon, Technical Advisor

Provide an organization chart (in the space below or as an attachment) that illustrates, or otherwise describes, the functional relationship a) between the individuals listed in D; and b) between those individuals and programme staff / employees; and c) the functions of each organizational unit and interlinkages with other units.

KCS programme run by the non-profit KCCI center is managed and overseen by independent committees include Steering Committee and Certification Committee. This governance system enables the committee members to make transparent decisions and professional judgement.

Of this governance system, while a Steering Committee set the carbon standard and manages its frameworks, Certification committee approves the methodologies and projects and making a final decision on the eligibility of project to be issued offset credits.

The secretariat which consists of two departments, and conducts a completeness check on the all the document includes validation and the verification report to ensure that they are compliant with the KCS Requirements, with supports from the technical advisory body in case the secretariat needs.

PART 3: Emissions Unit Programme Design Elements

Note—where "evidence" is requested throughout *Part 3* and *Part 4*, the programme is expected to provide web links to documentation and to identify the specific text, paragraph(s), or section(s) where TAB can find evidence of the programme procedure(s) in question. If that is not possible, then the programme may provide evidence of programme procedures directly in the text boxes provided (by copying/pasting the relevant provisions) and/or by attached supporting documentation, as recommended in "SECTION II: INSTRUCTIONS—*Form Completion: Supporting Evidence*".

Note—"*Paragraph X.X*" in this form refers to corresponding paragraph(s) in Appendix A "*Supplementary Information for Assessment of Emissions Unit Programmes*".

Note—Where the programme has any plans to revise the programme (e.g., its policies, procedures, measures, tracking systems, governance or legal arrangements), including to enhance consistency with a given criterion or guideline, provide the following information in response to any and all relevant form question(s):

- Proposed revision(s);
- Process and proposed timeline to develop and implement the proposed revision(s);
- Process and timeline for external communication and implementation of the revision(s).

Question 3.1. Clear methodologies and protocols, and their development process

Provide *evidence*[10] that the programme's qualification and quantification methodologies and protocols are *in place* and *available for use*, including where the programme's existing methodologies and protocols are publicly disclosed. (*Paragraph 2.1*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

The Center has established a certification system by preparing the KCCI Carbon Standard that can quantify and measure technology-based greenhouse gas Projects in addition to traditional greenhouse gas Projects. Through this, companies can quantify the greenhouse gas reduction amount generated from products and services, and furthermore, use it as offset credits for carbon neutrality.

- Provision of Carbon Standard: Provide carbon standard that can objectively measure reductions.
- Methodology Certification/Registration/Management: Certify, register, and manage methodologies measuring reduction effects from traditional GHG Projects and products and services provided by companies.
- Certification of monitoring results and issuance of reduction results: After the GHG Project is carried out according to the methodology and PDD, monitoring results with 3rd party verification are certified and issued.

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[10] For this and subsequent "evidence" requests, evidence should be provided in the text box (e.g., web links to documentation), and/or in attachments, as recommended in "SECTION II: INSTRUCTIONS—*Form Completion*".

- Registry Management/Provision: The Registry manages and provides information on retirement and transaction of issued reduction credits.

As of March 2023, 17 methodologies have been registered and disclosed on the registry and are being used in projects. Those are open to the public on the website at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The above response has been updated to reflect the ongoing work with being conducted by the KCS on the requirement to publicly disclose. As per Methodology Management Requirement, all the methodologies are publicly disclosed to freely use. The full contents of above requirement can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Methodology Management Requirement of KCS ver. 1.1 (Article 4, Paragraph 1)	Click here

As of Feb 2024, totally 26 methodologies are registered in the KCS Registry at here.

	As of Feb 2023	As of Feb 2024	Remarks
Total of Methodologies registered to KCS registry	16	22	6 added
Open to the public (Free access to non-login users)	Yes	Yes	
Fully translated in English	No	Yes	Refer to links below

Unlike the last year, all contents on the KCS registry are fully translated in English and easily available at the KCS registry and each of them has own their weblinks as listed below.

No.	Registered Date (Y-M-D)	Title	Direct weblinks (Links to KCS registry)
KCS-M-23-026	2023-12-20	Methodology for reducing power usage in home appliances through software-based power saving technologies	Click here
KCS-M-23-024	2023-12-20	Methodology for producing and using carbon-reduced concrete	Click here
KCS-M-23-023	2023-12-20	Methodology for reducing electricity consumption by improving the performance of low-power DRAM products	Click here
KCS-M-23-021	2023-11-02	A Methodology for Reducing Greenhouse Gas by the Carbon Sequestration of Biochar	Click here
KCS-M-23-020	2023-11-02	A Methodology for the Improvement of Transport	Click here

		Energy Efficiency through the Installation of Non-driving Refrigeration and Refrigeration Devices for Cold Chain Vehicles	
KCS-M-23-019	2023-07-18	A Methodology for Greenhouse Gas Reduction through Eco-friendly De-icers with the Application of Starfish	[Click here](#)
KCS-M-23-017	2022-12-14	The methodology for the disposable products inhibition project	[Click here](#)
KCS-M-23-016	2022-12-14	Methodology for using pyrolysis oil and carbon black produced using waste tire pyrolysis technology as raw materials for fuel and naphtha	[Click here](#)
KCS-M-23-015	2022-12-14	Methodology of electricity loss reduction due to SiC Wafer development and replacement of Si Wafer-based semiconductor devices	[Click here](#)
KCS-M-23-014	2022-12-14	Methodology for reducing greenhouse gas in carbon storage and incineration disposal by using bio materials	[Click here](#)
KCS-M-23-013	2022-09-21	Methodology for improving vehicle fuel use efficiency through the development and sale of mineral-based lube base oil	[Click here](#)
KCS-M-23-012	2022-07-01	Methodology for replacing single-use containers with reusable containers	[Click here](#)
KCS-M-23-011	2021-12-14	Methodology of building cooling and heating energy saving through smart window film	[Click here](#)
KCS-M-23-010	2022-12-14	Methodology of chemical products from raw materials produced by applying waste plastic depolymerization technology	[Click here](#)
KCS-M-23-009	2021-12-14	Methodology for greenhouse gas reduction generated during the transportation of salt water	[Click here](#)
KCS-M-23-008	2021-12-14	Afforestation and reforestation methodology in degraded mangrove habits	[Click here](#)
KCS-M-23-007	2021-11-15	Methodology for fossil fuel reduction project according to the installation of dedicated batteries for electric or hybrid vehicles	[Click here](#)
KCS-M-23-006	2021-11-15	Methodology for improving vehicle fuel use efficiency through the development and sale of low-viscosity engine oil	[Click here](#)
KCS-M-23-005	2021-10-14	Methodology on reduction of fossil fuels and greenhouse gas emissions by manufacturing warm mix asphalt concrete	[Click here](#)
KCS-M-23-004	2021-10-25	Methodology of Electricity Consumption Reduction Project by Improving Low Power eSSD Performance	[Click here](#)

KCS-M-23-002	2021-08-31	Energy efficiency measures in thermal applications of non-renewable biomass	Click here
KCS-M-23-001	2021-08-31	Methodology for improved forest management through extension of rotation age from Korean National Forest Certification System of Forestry and Mountain Villages Development Promotion Act	Click here

Summarize the programme's process for developing further methodologies and protocols, including the timing and process for revision of existing methodologies. (*Paragraph 2.1*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and questions pertaining to this question:

KCS establishes and operates a process for registration of new methodologies and revision of existing methodologies to be used for certification on its online registry system named Centero at http://kcs.centero.kr

(Step 1) Submission of methodology and PDD

The project proponents may prepare required documents e.g. methodology (new or renewed) registration forms and PDDs, for quantified measurement of GHG reductions and submit them to the Center all year round. Meanwhile, validation by a 3rd party auditor is required to submit the documents to the Center.

(Step 2) Conformity review of the methodology and PDD

The Center reviews the conformity of the applied documents e.g. methodology and PDD. The Center may utilize external experts for suitability review and request the project proponent for separate supporting data if necessary.

Conformity review takes up to 30 days and may be extended once, if necessary. Due diligence, including on-site evaluation, may be conducted if necessary, during the review process. The Center may request improvement to the documents up to 3 times during the conformity review and request additional 3rd party validation or verification in the process.

(Step 3) Deliberation of methodology and PDD

After the conformity review of the methodology and PDD is over, it is presented as an agenda to the Certification Committee. The Committee reviews the agenda based on the submitted documents and decides whether to approve it. If revisions to the methodology and PDD are deemed necessary during the deliberation process, the Center may request supplementation of data. The project proponent may check the deliberation results after the final deliberation is made.

Details of registering new methodology can be finalized through review by the center after applying for registration in accordance with Articles 2 to 5 of Methodology Management Requirements. Please refer to the Methodology Management Requirements > Article 2 to Article 5.

[Methodology Management Requirements]
Article 2 (Application for Methodology Registration)

1. The Center of Carbon Reduction Certification may review and approve the application for approval as a project methodology if a project proponent applies for approval of the project methodology by submitting the following documents.
   ① Application of Methodology according to Document No. 3-1
   ② Methodology Proposal according to Document No. 3-2
   ③ Validation report of the 3rd party auditor on the project methodology. The 3rd party auditor shall refer to the Guideline 3-1 Evaluation Criteria for Methodology Validation in validating the project methodology.
   ④ A PDD applying the methodology applied for approval, if necessary. However, the methodology under Article 5 (3) shall be excluded.
2. The project methodology proposal under paragraph (1) 2 shall include the following:
   ① General methodology and definition of terms
   ② Baseline methodology
   ③ Monitoring methodology
   ④ References
   ⑤ Other matters

Article 3   (Methodology Review)
1. KCCI Center for Carbon Reduction Certification may utilize external experts, if necessary, to review the methodology approval application pursuant to Article 2 (1).
2. KCCI Center for Carbon Reduction Certification shall prepare a review opinion on the methodology applied for approval, considering of the matters in each of the following subparagraphs, according to Document No. 3-3, and notify to the person applying for approval of the project methodology within 30 days from the date of receipt of the application for approval or the date of receipt of the revised/supplementary documents. However, if it is not possible to notify within the period due to unavoidable circumstances, the period shall be extended within the range of 30 days and the applicant shall be informed of the fact.
   ① Adequacy of the methodology application conditions
   ② Adequacy of the baseline methodology technology
   ③ Adequacy of the monitoring methodology technology
   ④ Other matters acknowledged important by KCCI Center for Carbon Reduction Certification
   ⑤ Adequacy of corrective/supplementary measures if any
3. KCCI Center for Carbon Reduction Certification may request separate base data from those applying for approval of the project methodology for the review pursuant to Paragraph 2.
4. KCCI Center for Carbon Reduction Certification may reject the application for approval of the methodology by specifying the reason if the applicant for approval of the project methodology does not submit the base data as requested in paragraph 3.
5. A person applying for approval of a project methodology shall submit revised and

supplementary documents to KCCI Center for Carbon Reduction Certification by the deadline specified in the methodology review opinion statement pursuant to paragraph 2. However, revision and supplementation of the application data according to the methodology review opinion is allowed up to 3 times.

Article 4   (Deliberation on Methodology Approval)
1. KCCI Center for Carbon Reduction Certification shall conduct a review on whether to approve the methodology.
2. KCCI Center for Carbon Reduction Certification shall request the certification committee to deliberate the data reviewed pursuant to Paragraph 1, prepare a methodology review result according to the Document No. 3-4, and notify it to the person applying for approval of the relevant methodology. However, the Center shall not request deliberation to the certification committee if the application does not clearly conform to the Requirements.

Article 5   (Methodology Registration)
1. If KCCI Center for Carbon Reduction Certification deem it appropriate to approve the methodology based on the deliberation result under Article 4, it shall approve the methodology and immediately notify the person applying for approval of the methodology according to Document No. 3-5. The approved methodology (hereafter "approved methodology") shall be registered in the registry as per the 'Registry Management Requirements' for the project proponents to apply.
2. KCCI Center for Carbon Reduction Certification shall perform follow-up management such as assigning a serial to the approved methodology.
3. KCCI Center for Carbon Reduction Certification may develop and approve a methodology by applying the procedures in Article 4 *mutatis mutandis*, if it is necessary to encourage projects and facilitate the voluntary carbon market.

Existing methodology is allowed to be revised in the following cases in accordance with Article 6 of the Carbon Standard, and procedures such as evaluation and approval of the revision are then in progress. Please refer to the Methodology Management Requirements > Article 6 > 1 > ① ~ ⑤.

[Methodology Management Requirements]

Article 6   (Methodology Revision)
1. KCCI Center for Carbon Reduction Certification may revise the approved methodology in the following cases.
    ① Where 5 years have elapsed since the registration of the existing approved methodology, requiring renewal
    ② Where new scientific evidence is discovered that the reduction from applying the existing approved methodology is presumed to be overestimated or underestimated
    ③ Where the existing approved methodology is no longer adequate for domestic and overseas circumstances due to changes in conditions e.g. revision of laws, technological development, etc.

④ Where the terms or formulas of the existing approved methodology found to be inconsistent, or have errors or ambiguities

⑤ Where it is necessary to simplify or clarify the existing approved methodology for the users to use conveniently.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As some part of the ver1.0 of KCS standard and requirements were revised to KCS ver1.1 and came into effect on November 24, 2023, according to the approval of the Steering Committee, the previous article or paragraph numbers on the above responses were sequentially changed, as shown below. Obviously, the full contents of KCS ver1.1 can be found in the KCS Registry, and this document is publicly available at the following weblink, regardless of whether the user is logged in or not.

Methodology Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	Article 2		Click here
	Article 3		
	~~Article 4~~	Article 5	
	~~Article 5~~	Article 6	
	~~Article 6~~	Article 7	

Of which article, the followings are supplementary materials necessary for implementation of provisions.

Supplementary materials	KCS Docs and Guidelines	Direct weblinks (Links to KCS Registry)
Application of Methodology	Document 3-1	Click here
Methodology Proposal	Document 3-2	Click here
Methodology Conformity Review Opinion	Document 3-3	Click here
Methodology Deliberation Result	Document 3-4	Click here
Methodology & Project Deliberation Result	Document 3-5	Click here

Meanwhile, on the KCS registry, methodology development process are shown as 5 main steps which are MD →MAR → IRPD →UMV → M. Registered or M. Rejected, and each of meaning is as listed below.

Step	Abbreviation	Meaning	Remarks
Preliminary Apply	MCD	Methodology Concept Development	(If applicable)
	MCER	Methodology Concept Evaluation Requested	

		UMCE	Under Methodology Concept Evaluation	
		MCA	Methodology Concept Accepted	
		MCR	Methodology Concept Rejected	
1		MD	Methodology Development	
	(sub-step)	MVR	Methodology Validation Requested	To a 3rd Party auditor
2		MAR	Methodology Approval Requested	Apply for approval with KCS
3		IRPD	Instruct Register for Public Documents	
		RPD	Register Public Documents	Ready to publicly disclose
	(sub-step)	UMOC	Under Methodology in open comment*	Public Consultation (Public Comment Period was at least 7 days, but extended to 30 days since Nov 2023, under the KCS ver. 1.1)
		UMV	Under Methodology Validation	
		MER	Methodology Evaluation Requested	
4		UMV	Under Methodology Validation	Sent to the committee
5		M.Registered	Methodology Registered	
		M.Rejected	Methodology Rejected	

All the history of certification process per each methodology will be checked once the user click the "View History" on their detailed screen from the list of methodology at this weblink: Click here

Provide *evidence of the public availability* of the programme's process for developing further methodologies and protocols. (*Paragraph 2.1*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS discloses program procedures for new methodology development and provides information so that all

proponents who wish to participate in KCS can use on its online registry system named Centero at http://kcs.centero.kr

(Step 1) Submission of methodology and PDD

The project proponents may prepare required documents e.g. methodology (new or renewed) registration forms and PDDs, for quantified measurement of GHG reductions and submit them to the Center all year round. Meanwhile, validation by a 3rd party auditor is required to submit the documents to the Center.

(Step 2) Conformity review of the methodology and PDD

The Center reviews the conformity of the applied documents e.g. methodology and PDD. The Center may utilize external experts for suitability review and request the project proponent for separate supporting data if necessary.

Conformity review takes up to 30 days and may be extended once, if necessary. Due diligence, including on-site evaluation, may be conducted if necessary, during the review process. The Center may request improvement to the documents up to 3 times during the conformity review and request additional 3rd-party validation or verification in the process.

(Step 3) Deliberation of methodology and PDD

After the conformity review of the methodology and PDD is over, it is presented as an agenda to the Certification Committee. The Committee reviews the agenda based on the submitted documents and decides whether to approve it. If revisions to the methodology and PDD are deemed necessary during the deliberation process, the KCCI Center for Carbon Reduction Certification may request supplementation of data. The project proponent may check the deliberation results after the final deliberation is made.

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As the KCS Programme has a consistent process of certification, its detailed information on how the KCS certification process works is available at this weblink : Click here

In addition to this, for easier understanding the KCS Program, online guidebook is open to the public at this weblink: Click here

Question 3.2. <u>Scope considerations</u>

Summarize the level at which activities are allowed under the programme (e.g., project based, programme of activities, jurisdiction-scale): (*Paragraph 2.2*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS targets projects that include activities to fundamentally eliminate or improve greenhouse gas emission sources, and there is no separate restriction on the amount of the projects. Please refer to the Project Management Requirements> Article 2 to 3.

[Project Management Requirements]

Article 2   (Approval Subject)

1.   Projects that can be approved as Projects according to KCS (hereafter "Projects subject to approval") shall be limited to projects that include activities to fundamentally remove or improve GHG emission sources. However, KCCI Center for Carbon Reduction Certification shall not approve GHG reduction due to behavioral changes such as simple production reduction and maintenance as a Project.

2.   KCCI Center for Carbon Reduction Certification may approve a Project subject to approval as a Project if it satisfies the criteria in each of the following subparagraphs.

   ①   Approval shall be limited to projects where the Project proponent reduces, absorbs, or removes GHGs in a way conforming to the KCS criteria in the evaluation boundary.

   ②   GHG reduction shall not have occurred while fulfilling mandatory matters under other laws and regulations. However, it is possible to apply cases that occurred while implementing the mandatory requirements in excess.

   ③   Reductions shall occur through additional actions and measures beyond those that can be implemented under normal business conditions.

   ④   Reductions shall be sustainable, quantified, and verifiable.

   ⑤   Projects shall apply the methodology approved by KCCI Center for Carbon Reduction Certification.

Article 3   (Scale and Classification of Projects Subject to Approval)

1.   Projects subject to approval shall not limit the minimum GHG reduction amount.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Project Management Requirement of KCS ver. 1.1 (Article 2, Article 3)	Click here

In addition to the above responses, on the amended KCS version 1.1, which came into effect on November 24, 2023, KCS classified the reduction project into general and small-scale projects depending on the scale and the revised guidelines. As per Guidelines 4-1, Projects with an estimated carbon reduction exceeding 3,000 tons of carbon dioxide equivalent (tCO2eq) per year are approved as general projects, and projects with less than 3,000 tons are approved as small-scale reduction projects. Project proponents may apply for mid to long term voluntary carbon reduction projects approval with KCS, with no limit of the minimum scale of reduction, as shown below.

Supplementary materials	KCS Docs and Guidelines	Direct weblinks (Links to KCS Registry)
Scale and Classification of Projects to Approval	Guideline 4-1	Click here

Summarize the eligibility criteria for each type of offset activity (e.g., which sectors, project types, and geographic locations are covered): (*Paragraph 2.2*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

Projects can be classified into 15 categories including energy industry, energy supply, energy demand, manufacturing, chemical industry, construction, and transportation. Please refer to the Project Management Requirements> Article 3 > 2 > ① to ⑮

[Project Management Requirements]

Article 3   (Scale and Classification of Projects Subject to Approval)

2.   Projects subject to approval shall be classified according to the following subparagraphs.
①   Energy industry
②   Energy supply
③   Energy demand
④   Manufacturing industry
⑤   Chemical industry
⑥   Construction
⑦   Transportation
⑧   Mining · Minerals
⑨   Metal industry
⑩   Fugitive emissions from fuel
⑪   Fugitive emissions from production and consumption of carbon halide and sulfur hexafluoride, fugitive emissions from production and consumption of nitrogen trifluoride
⑫   Waste handling and disposal
⑬   Forest
⑭   Agriculture
⑮   Carbon dioxide capture and storage or reuse

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

Basically, the scope of the KCS Program covers all those activities related to the generation of carbon reductions or removals, including jurisdictional programs and nested REDD+ projects. Then, projects subject to approval are

divided into 15 types depending on their characteristics, and the minimum scale of approval is not limited. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available as listed below.

References	Direct weblinks (Links to KCS Registry)
Project Management Requirement of KCS ver. 1.1 (Article 3, Paragraph 2)	Click here

Provide *evidence* of the Programme information defining a) level at which activities are allowed under the Programme, and b) the eligibility criteria for each type of offset activity, including its availability to the public: (*Paragraph 2.2*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) Project Management Requirements provide evidence.

b) KCS and Project Management Requirements provide evidence.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The above response has been updated to reflect the ongoing work with being conducted by the KCS on the requirement to publicly disclose. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Project Management Requirement of KCS ver. 1.1 (Article 2, 3)	Click here
Application for Project (Guidelines 4-1 of KCS ver. 1.1)	Click here

Of which 15 sectors, the KCS program scope was covered in all areas, and currently, The implementation level is a project-level and Project activities with 17 applicable methodologies included as the detail indicated below.

<Number of KCS Project>

Sector	As of Feb 2023	As of Feb 2024
Energy industry	0	1
Energy demand	3	4
Chemical industry	1	1
Construction	1	2
Transportation	3	4
Waste handling and disposal	4	4
Forest	1	1
Total	13	17

The following are more details on each project and its issued offset credit below.

No.	Registered Date (Y-M-D)	Title	Direct weblinks (Links to KCS Registry)	Credits (KCRs)	Credit Issued Date(Y-M-D)
KCS-P-23-024	2023-12-20	Project to reduce electricity consumption by improving the performance of SK hynix's low-power DRAMs	Click here		
KCS-P-23-022	2023-12-20	KCC Industrial Co., Ltd.'s Greenhouse Gas Reduction Project through Carbon Reduction Concrete Production	Click here		
KCS-P-23-020	2023-11-02	A project to improve transportation energy efficiency by installing refrigeration and refrigeration devices for cold chain-only vehicles	Click here		
KCS-P-23-019	2023-07-18	Greenhouse Gas Reduction Project Through Eco-friendly De-icers with the Application of Starfish	Click here		
KCS-P-23-018	2021-10-25	Project to reduce electricity consumption by improving the performance of SK Hynix's low-power eSSD	Click here	40,229	2023-12-20
				22,129	2023-07-03
KCS-P-23-012	2021-12-14	Building cooling and heating energy saving business through application of smart window film	Click here		
KCS-P-23-011	2021-11-15	Greenhouse gas emission reduction project in the process of vehicle operation according to SK On's development and supply of batteries for electric vehicles	Click here	41,555	2023-06-28
KCS-P-23-010	2022-12-14	SK Siltron's eletricity loss reduction project due to SiC Wafer development and replacement of Si Wafer-based semiconductor devices	Click here	2,031	2023-11-02
KCS-P-23-009	2022-12-14	Project aimed at inhibiting the use of disposable products through the Baedal Minjok (Baemin) service	Click here	25,645	2023-07-25
KCS-P-23-008	2022-09-21	SKEN's Vehicle fuel efficiency improvement project through the development and sale of mineral-base lube base oil	Click here	945,613	2023-12-20

KCS-P-23-007	2021-11-15	SKEN's Vehicle fuel efficiency improvement project through the sale of low-viscosity engine oil	Click here	46,931 49,091	2023-08-16 2023-06-26
KCS-P-23-006	2022-12-14	Project that uses pyrolysis refined oil and green carbon black produced by using waste tire pyrolysis technology as fuel and raw materials for naphtha cracking facilities or petrochemical products	Click here		
KCS-P-23-005	2021-10-14	Project for reduction of fossil fuels and greenhouse gas emissions through production of warm mix asphalt concrete in Korea	Click here	1,244	2023-06-28
KCS-P-23-004	2021-12-14	2021 Carbon sink enhancement project through restoration of mangrove forests in Tra Vinh Province, Vietnam	Click here		
KCS-P-23-003	2022-07-01	Project to replace single-use coffee cups with reusable cups from SK Telecom's Happy Habit program	Click here		
KCS-P-23-002	2022-12-14	Project for carbon storage(fixation) when growing biomass as a raw material and greenhouse gas reduction generated from waste plastic incineration when bio-based plastic is disposed	Click here	3,456	2023-11-02
KCS-P-23-001	2022-12-14	Greenhouse gas reduction project in the process of producing chemical materials using raw materials applied with waste plastic depolymerization technology	Click here		

* In case of issued credits, it is linked to the detailed information such as certification documents on its monitoring reports of each project which may cause credit issuance.

Question 3.3. Offset credit issuance and retirement procedures

Are procedures in place defining how offset credits are… (*Paragraph 2.3*)	
a) issued?	☒ YES
b) retired / cancelled?	☒ YES
c) subject to discounting (*if any*)?	☒ YES

Are procedures in place defining… (*Paragraph 2.3*)	
d) the length of crediting period(s)?	☒ YES

e) whether crediting periods are renewable?	⊠ YES

Provide evidence of the procedures referred to in a) through e) (if any, in the case of "c"), including their availability to the public:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) Project Management Requirements provide evidence of definition of issuance. Please refer to the Project Management Requirements> Article 29 > 1.

[Project Management Requirements]

Article 29   (Issuance of Project Certified reduction)

1. KCCI Center for Carbon Reduction Certification shall issue certified reduction of Projects corresponding to the GHG reductions of certified Projects under Article 27 in integer units (rounded down to the nearest decimal point) to the issuance account for registered Projects.

b) Project Management Requirements provide evidence of definition of retirement/cancellation. Please refer to the Project Management Requirements> Article 28 > 1 > ① to ③.

[Project Management Requirements]

Article 28   (Revocation of Project GHG Reduction Certification)

1. KCCI Center for Carbon Reduction Certification may revoke certification through deliberation by the Certification Committee if the certified reduction of Projects certified pursuant to Article 27 (1) falls under any of the following subparagraphs. However, the certification shall be revoked if it falls under subparagraph 1.
   ①   Where the GHG reductions has been certified by deceit or fraudulent means
   ②   Where the GHG reduction is used in duplicate in other systems or projects
   ③   Where difficult to deem the project as an additional effort beyond the activities that can be implemented under normal business conditions due to the revision of the law

c) KCS does not have a specific clause requiring credit discounts for each Project in the program, but it requires that the baseline must be adjusted according to technological progress by reevaluating the baseline through periodic revision (5 years) of the methodology. Please refer to the Methodology Management Requirements> Article 6 > 1 > ①.

[Methodology Management Requirements]

Article 6   (Methodology Revision)

1. KCCI Center for Carbon Reduction Certification may revise the approval methodology in the following cases.
   ① Where 5 years have elapsed since the registration of the existing approval methodology, requiring renewal

d), e) The crediting period of KCS is 5 years (can be extended 2 times) for general projects and 15 years (can be extended 2 times) for the forest sector. Please refer to the Project Management Requirements> Article 5> 2 to 3.

[Project Management Requirements]

Article 5   (Certification Crediting Period)

2. The certification crediting period under Paragraph 1 shall be within 5 years from the date the Project is approved pursuant to Article 10, but the extension shall be limited to two times. However, the criteria and principles according to KCS must be re-evaluated in case of extension.
3. Notwithstanding paragraph 2, the certification crediting period for Projects belonging to the forestry sector shall be within 15 years from the date of Project approval pursuant to Article 10, but extension shall be limited to two times. However, the criteria and principles according to KCS must be re-evaluated in case of extension.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):
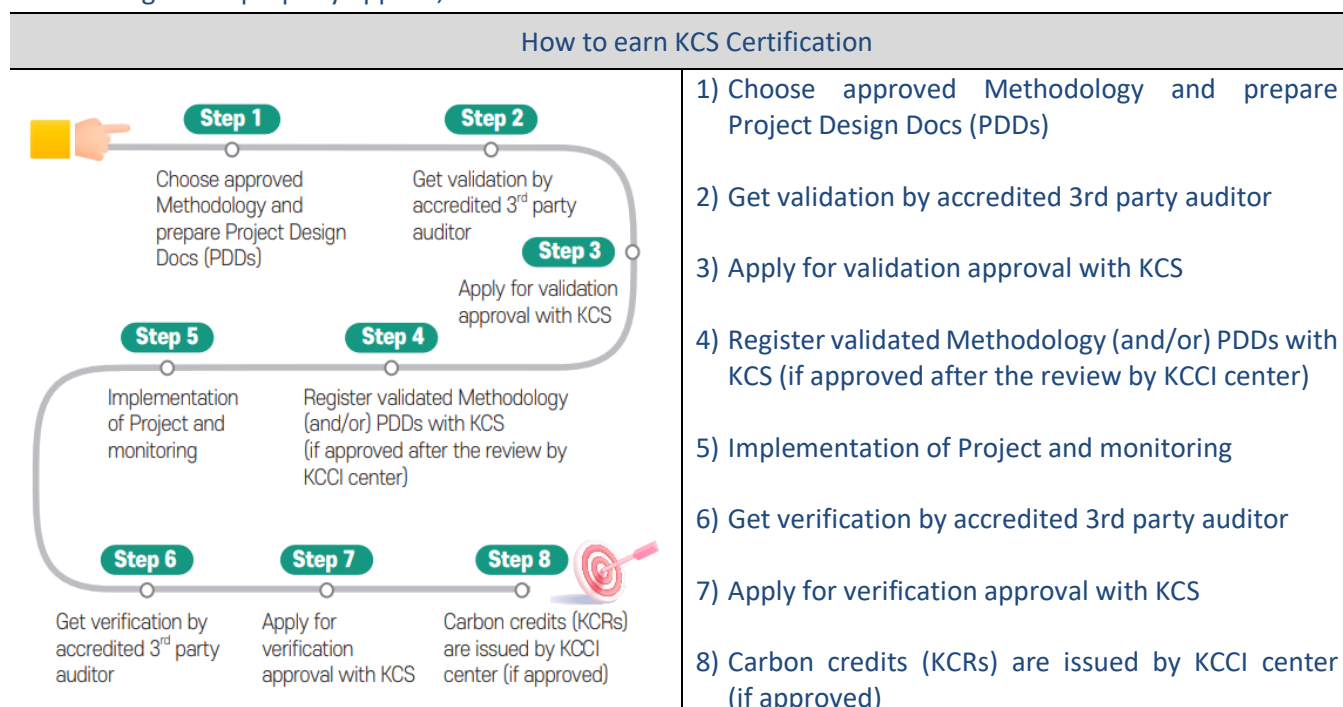
a) As some part of the ver1.0 of KCS standard and requirements were revised to KCS ver1.1 and came into effect on November 24, 2023, according to the approval of the Steering Committee, the previous article or paragraph numbers on the above responses were sequentially changed, as shown below. Obviously, the full contents of KCS ver1.1 can be found in the KCS Registry, and this document is publicly available at the following weblink, regardless of whether the user is logged in or not:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 29~~	Article 32	Click here
	~~Article 27~~	Article 29	

Of which article, the followings are supplementary materials necessary for implementation of provisions.

Supplementary materials	KCS Docs and Guidelines	Direct weblinks (Links to KCS Registry)
Registry Serial Number Assignment Criteria	Guidelines 5-1	Click here

The above response has been updated to reflect the ongoing work with being conducted by the KCS on the requirement to publicly disclose. In short, KCCI center established a consistent and standardized process. Validation and verification are required by KCS in order to guarantee that the KCS requirements are met and the methodologies are properly applied, as below.

How to earn KCS Certification	
	1) Choose approved Methodology and prepare Project Design Docs (PDDs) 2) Get validation by accredited 3rd party auditor 3) Apply for validation approval with KCS 4) Register validated Methodology (and/or) PDDs with KCS (if approved after the review by KCCI center) 5) Implementation of Project and monitoring 6) Get verification by accredited 3rd party auditor 7) Apply for verification approval with KCS 8) Carbon credits (KCRs) are issued by KCCI center (if approved)

To easier access to the public, the full contents mentioned above can be found in the brochure which is publicly available at the following weblink.

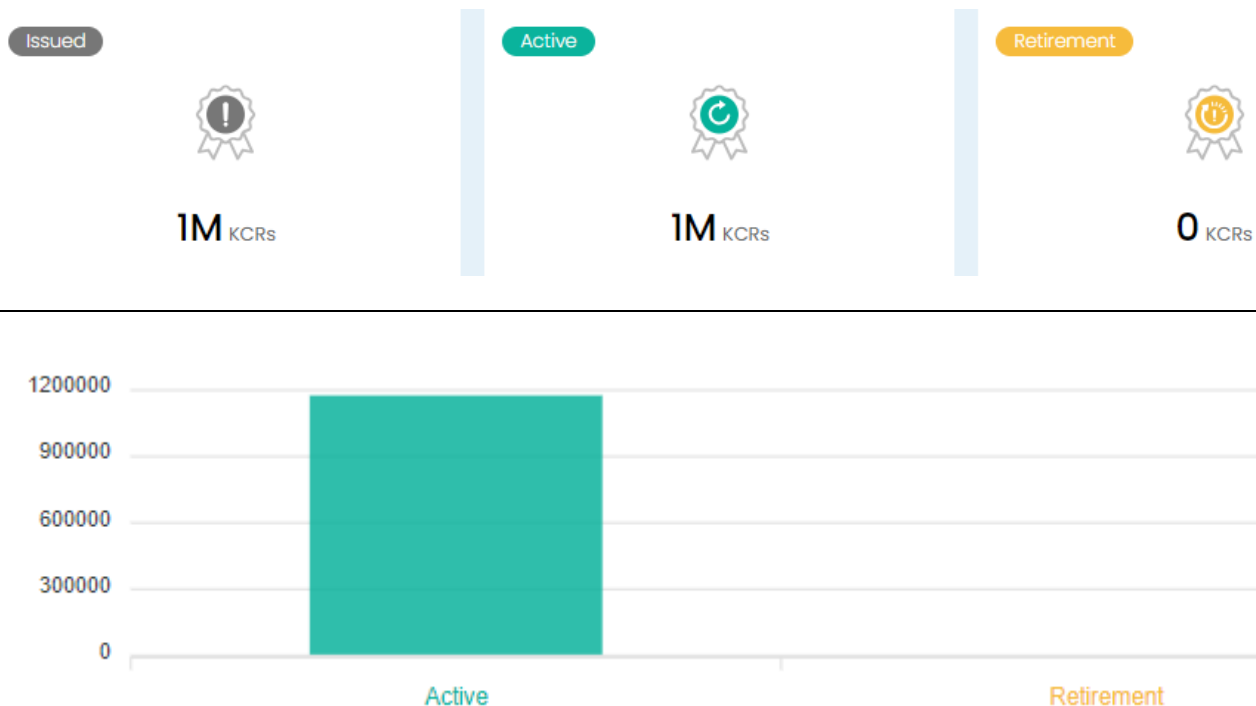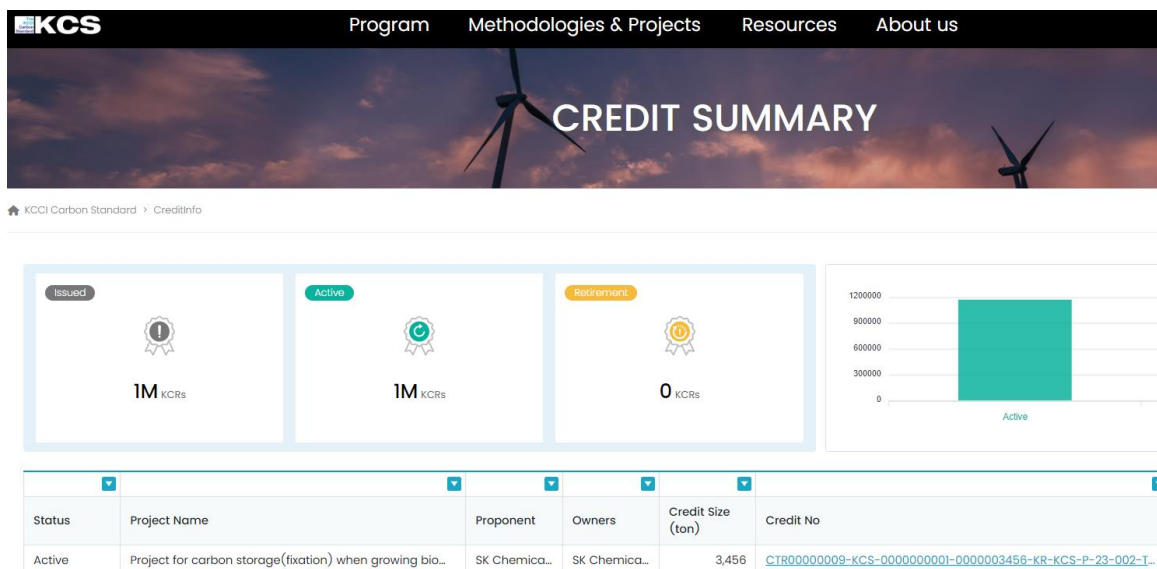| References	Direct weblinks (Links to KCS Registry)
KCS Program Guidebook	Click here

b) As mentioned earlier, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 28~~	Article 30	Click here

KCCI Center for Carbon Reduction Certification may revoke certification through deliberation by the Certification Committee if the certified by deceit or fraudulent means, or where the GHG reduction is used in duplicate in other systems or projects, or where difficult to deem the project as an additional effort beyond the activities that can be implemented under normal business conditions due to the revision of the law.

In addition to this, reflecting these procedures, a page has been created in the registry where you can check the issuance, retirement, and cancellation status of credits to date briefly, and the link at click here and screenshot are as follows.

Screenshots of KCRs (Offset Credits) status at a glance on the KCS registry

c) KCS does not have a specific clause requiring credit discounts for each Project in the program. As mentioned earlier, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Methodology Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 6~~	Article 7	Click here

d-e) As per Article 5, 11 of Project Management Requirements, the following are duration and the renewal of crediting period by project type under the KCS program.

Project type	Renewal of crediting period		Duration of the framework (years)
	No of years/time	No of times	
General	5	2	15
Afforestation/ reforestation	15	2	45

References	Direct weblinks (Links to KCS Registry)
Project Management Requirement of KCS ver. 1.1 (Article 5, Article 11)	Click here

Question 3.4 <u>Identification and Tracking</u>

Does the programme utilize an electronic registry or registries? (*Paragraph 2.4.2*)	☒ YES

Provide web link(s) to the programme registry(ies) and indicate whether the registry is administered by the programme or outsourced to a third party (*Paragraph 2.4.2*):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

The registry of KCS is managed and operated by Centero system, and you can check all information on application and approval for the program's process, methodology, project, certified reduction, etc. on Centero system at http://kcs.centero.kr Please refer to the Registry Management Requirements> Article 3> 1.

[Registry Management Requirements]

Article 3   (Management and Operation of Registry)

    1.   KCCI Center for Carbon Reduction Certification shall manage the registry to ensure availability and confidentiality, and manage the issuance, transfer, and disposal of Project certification results in the form of an electronic database.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

Even though the registry had been operated manually when the KCS program (formerly SKCS program) was launched in 2021, all performances are currently entered and managed in the electronic registry known as Centero at http://kcs.centero.kr since all the information has been completely transferred to KCCI center and KCS requirements activated in February 23, 2023.

KCS Programme has an independent registry platform named Centero, based on blockchain that ensures security, traceability and transparency of all projects that are part of the program throughout the entire cycle of verification, certification, issuance, and use of credits. As a KCS registry, Centero does not have the authority to make own decisions regarding the certification process and is limited to recording only the interactions between users involved in the overall certification process of KCS and the resulting approval or rejection by KCS.

The above response has been updated to reflect the ongoing work with being conducted by the KCS on the requirement to publicly disclose. The full contents mentioned above can be found in the in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Registry Management Requirement of KCS ver. 1.1 (Article 3)	Click here

Does the programme have procedures in place to ensure that the programme registry or registries…:	
a) have the capability to transparently identify emissions units that are deemed ICAO-eligible, in all account types ? (*Paragraph 2.4.3*)	☒ YES
b) identify, and facilitate tracking and transfer of, unit ownership/holding from issuance to cancellation/retirement? (*Paragraphs 2.4 (a) and (d) and 2.4.4*)	☒ YES
c) identify unit status, including retirement / cancellation, and issuance status? (*Paragraph 2.4.4*)	☒ YES
d) assign unique serial numbers to issued units? (*Paragraphs 2.4 (b) and 2.4.5*)	☒ YES
e) identify in serialization, or designate on a public platform, each unique unit's country and sector of origin, vintage, and original (and, if relevant, revised) project registration date? (*Paragraph 2.4.5*)	☒ YES
f) are secure (i.e. that robust security provisions are in place)? (*Paragraph 2.4 (c)*)	☒ YES

Summarize and provide evidence of the procedures referred to in a) through f), including the availability to the public of the procedures referred to in b), d), and f):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS identifies and manages the offset credits subject to ICAO separately from the registry. In accordance with Article 6 of the KCS, the issuance of CORSIA eligible units is separately managed. After being officially recognized by CORSIA eligible program in the future, it will be updated considering the specificity of CORSIA. Please refer to the Project Management Requirements > Article 32 > 1 > ①, ③.

[Project Management Requirements]
Article 32   (Special Cases concerning Issuance of CORSIA Certification Results)

1.   Notwithstanding the provisions of this guideline, the following special cases apply in relation to the issuance of certification results to be used in the CORSIA system.

① The Project proponent intending to use certified reduction for the CORSIA system shall submit written document that publicly guaranteeing that the concerned certified reduction will not be double used for CORSIA implementation of airlines, national NDC achievement or other form of Project, etc. from the country where the certification results occur (hereafter the "host country") prior to application for registration of the Project.

③ KCCI Center for Carbon Reduction Certification shall separately classify the Project certification results issued with the issuance account of the Projects registered in accordance with Item 1, and transfer part of the Project certification results to the CORSIA buffer account considering the risk of project implementation and issue the Project certified reduction to the account held by the Project proponent for the amount excluding the transferred amount.

Regarding the answer a), in addition to the above article, the labelling function for CORSIA eligible emissions units in KCS has been developed by its registry system named Centero at http://kcs.centero.kr as demonstration shown below.
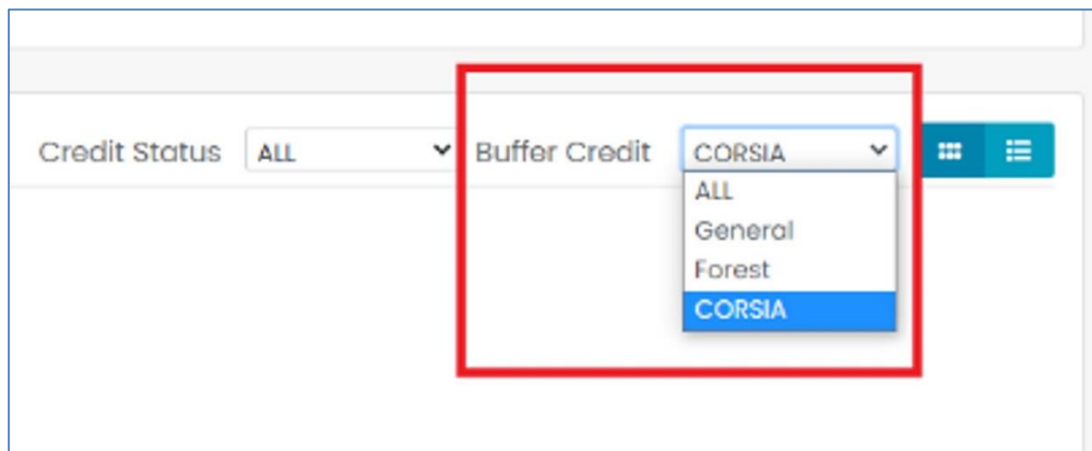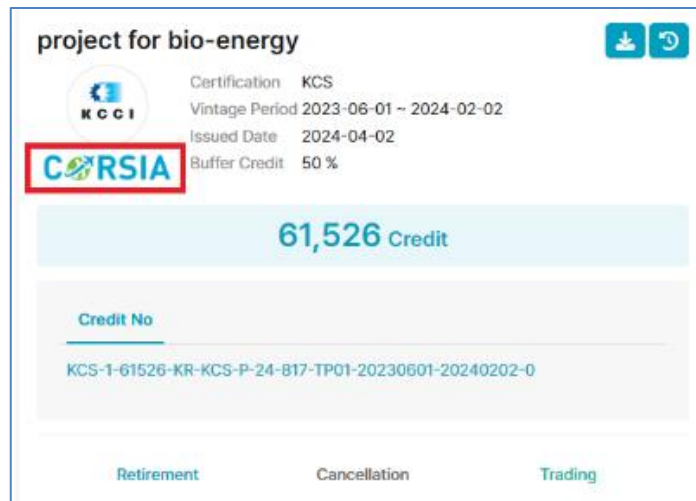
On the above image, you may recognize the label of CORSIA eligible and options to select it.

b) Issuance, cancellation, retirement, and status of certification results are managed and identified through the Centero system in accordance with Project Management Requirements. Please refer to the Project Management Requirements > Article 30 > 1 to 5.

[Project Management Requirements]
Article 30   (Transfer, Trading and Use of Project Certified reduction)

1. KCCI Center for Carbon Reduction Certification may transfer the certified reduction as requested if a person intending to transfer the certified reduction registered in the holding account to another Project participant's holding account (transferrer) and a person intending to receive the transfer (transferee) apply for the transfer by submitting the following documents.
   ① Transfer application according to Document No. 4-12
   ② Evidentiary materials to confirm the relevant contract details
2. KCCI Center for Carbon Reduction Certification shall review the application and decide

whether to approve the transfer.

3. Upon transferring the Certified Reduction pursuant to Paragraph 1, the KCCI Center for Carbon Reduction Certification shall transfer the relevant person registered in the account held by the person applying for the transfer to the cancellation account and register the transferred certified reduction to the account held by the person receiving the transfer according to the application.

4. In the case of trading certified reduction, the person intending to sell (transferrer) and the person intending to buy (transferee) shall submit the following documents.
   ① Application for transaction according to Document No. 4-13
   ② Evidentiary materials to confirm the relevant contract details

5. In the case of using certified reduction, the person using the certified reduction shall submit the following documents.
   ① Report on use according to Document No. 4-14
   ② A document to confirm the related usage plan

c) The status of issuance, retirement, or cancellation of certified reduction by projects can be checked in the "Status" section of the project list in the Centero system at http://kcs.centero.kr as demonstration shown below.

Project No.	Title	Proponent	Applicable Projects	Methodology	Country	Region	Estimated Reduction Size	Open Comment	Project Registration Date	Credit Period	Credit Size (ton)	Status
KCS-P-23-002	스마트윈도우 …	SKC	Energy Ind…	KCS-23-005	Republic of…	Asia	40	0	2023-03-20			UPDOC
KCS-P-23-001	SK텔레콤 해…	SK텔레콤	Waste Man…	KCS-23-002	Republic of…	Asia	32	0	2023-03-17			UPDOC

d) The 'serial number assignment rule' is defined in Registry Management Requirements and Guideline 5-1, and the serial number information is managed by implementing the criteria on Centero system. Please refer to the Registry Management Requirements > Article 2 > 1 and Guideline 5-1 > Registry Serial Number Assignment Criteria > 3.

[Registry Management Requirements]

Article 2   (Establishment of Registry)

1. KCCI Center for Carbon Reduction Certification shall establish a registry that includes the following functions for a series of processes, including methodology registration, project registration, and issuance, transfer, and disposal of project certified reduction, can be electronically recorded, and managed. **It shall be managed by assigning serial numbers according to Guideline 5-1.**

[Guideline 5-1] Registry Serial Number Assignment Criteria
3. Reductions Serial Number Assignment Criteria
   KCCI Center for Carbon Reduction Certification must assign a serial number, including the following

information, to the approved or issued reductions and register it in the KCS registry.

(1) Reductions (KCR) start number
(2) Reductions (KCR) end number
(3) Country code
(4) Project registration number
(5) Project type
(6) Project monitoring start date
(7) Project monitoring end date

e) Country, Region, Applicable Projects, Crediting Period, etc. of certified reduction are managed by Centero system at http://kcs.centero.kr as demonstration shown below.

f) The Centero system is a system built on Microsoft Azure and is operated with various security equipment. Users pass through the security network area such as Landing Zone or Security Zone to access the Centero system. In the security network area, the Centero system is protected using solutions such as web firewall, IPS, vaccine, and access control. It is operated to respond to cyber security by contacting the manager when a problem occurs by monitoring the control personnel.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a-b) As some part of the ver1.0 of KCS standard and requirements were revised to KCS ver1.1 and came into effect on November 24, 2023, according to the approval of the Steering Committee, the previous article or paragraph numbers on the above responses were sequentially changed, as shown below. Obviously, the full contents of KCS ver1.1 can be found in the KCS Registry, and this document is publicly available at the following weblink, regardless of whether the user is logged in or not:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 32~~	Article 35	Click here
	~~Article 30~~	Article 33	

Supplementary materials	KCS Docs and Guidelines		Direct weblinks (Links to KCS Registry)
	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	
Application for KCCI Certified Reduction (KCR) Transfer	~~Document 4-12~~	Document 4-10	[Click here](#)
Application for KCCI Certified Reduction (KCR) Trading	~~Document 4-13~~	Document 4-11	[Click here](#)
Declaration of KCCI Certified Reduction (KCR) Usage	~~Document 4-14~~	Document 4-12	[Click here](#)

d) The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Registry Management Requirement of KCS ver. 1.1 (Article 2)	[Click here](#)
Registry Serial Number Assignment Criteria (Guideline 5-1 of KCS ver. 1.1)	[Click here](#)

e) Under the KCS program, only one is issued for one tonne of mitigation. Here is an example of issued KCR credits as displayed below shows the structure of Credit numbers which has been identified so that double issuance for the same reductions is not possible, in compliance with KCS Guideline 5-1, as mentioned above.

Structure of KCR credit on the KCS registry

KCS-1-3456-KR-KCS-P-23-002-TP05-20220101-20221231-0

Authority | Volume of Credit Range (e.g. 1~3456 ton) | Country Code as per ISO 3166-1 (e.g. KR: Korea) | Of which project implemented (12 digit) | Project Classification among 15 types (e.g. TP05: Chemical Industry) | Vintage Period | Identifies whether (or not) issued by other entity (e.g. 0: No, 1: Yes)

Direct weblinks to enlarge the above example (with certificate)	[Click here](#)

f) KCS Programme has strong security measures in place to ensure the security of registry operations. The operator of Centero has implemented a secure web application firewall (WAF) for data transfers that defines reliable network and API data transfers. The system protects all information in the encrypted database through encryption at rest and in transit using SSL/TLS respectively.

In addition to these measures, access to the registry is only permitted through a secure online platform that uses multi-factor authentication to protect against unauthorized access. For external connections via API, the system also uses token-based authentication and authorization mechanisms to ensure secure access. The system also uses intrusion detection/prevention systems to detect and respond to security threats.

Centero has implemented a robust architecture to securely transmit data within a web application firewall solution that defines reliable network and data transmission of APIs. All this information is protected in an

encrypted database. Users can only access the registry through an online platform that secures their connection.

The Centero system is built on Microsoft AWS and operates with a variety of security equipment. Users pass through secure network areas such as the Landing Zone and Security Zone to access the Centero system. In the security network area, the Centero system is protected using solutions such as web firewall, IPS, anti-virus, and access control. It is operated so that control personnel can be monitored and if a problem occurs, the administrator can be contacted to respond to cyber security.

If the programme registry has the capability to directly transfer units to/from any other registries that are not operated by the programme, list any/all other registries to which the programme's registry(ies) are linked:: (*Paragraph 2.4 (e)*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:
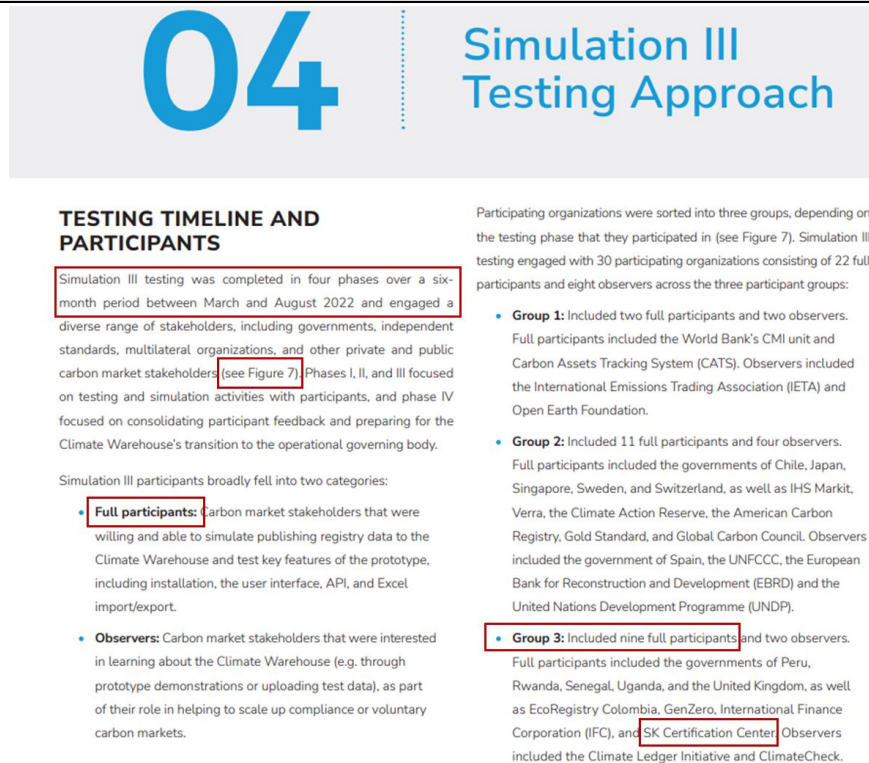N/A

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):
N/A

List any/all international data exchange standards to which the programme's registry(ies) conform: (*Paragraph 2.4 (f)*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS is open to any other registries if the standards align with KCS and have a proof of evidence to show there is no double issuance. Methodologies that were registered from other registries:

1. AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass from CDM

2. Methodology of Forest management project by extending age of final cutting from Korean National Forest Certification System of Forestry and Mountain Villages Development Promotion Act were registered in KCS.

For more detail about Korean National Forest Certification System, please refer to its website which operates only in Korean language, at https://carbonregistry.forest.go.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

Please note that KCCI center wrote an incorrect answer to the above question in the previous application in 2023, by interpreting the context of the question. The following is the correct response to the question.

Centero is a cloud-based platform that provides the registry services for KCS under the highest security and reliability standards. Secure communications standards are used; all this to comply with the ISO/IEC 27017, 27018, ISMS and ISO 27001, for confidentiality, availability, integrity, connectivity, and transparency, along with other standards from ISO 9001, 20000 (ITSM- IT Service Management), 45001, HRMS and ISO 37301, 31000/14001, and 37001 for sustainable management.

| Collaborated simulation testing conducted with the World bank's CAD-Trust (formerly Climate Warehouse)	
Image 1-1: While CAD-Trust's simulation testing was held in 2022, KCS Programme (formerly SKCS of SK Certification Center) participated as a full participant in Group 3, along with UK Government and EcoRegistry and more, as makred in the red on the right.	
Image 1-2: As a part of testing timeline, the Group 3 where KCS Programme (formerly SKCS of SK Group) involved was participated as full participants of CAD-Trust in 2022, as marked in the red on the right.	
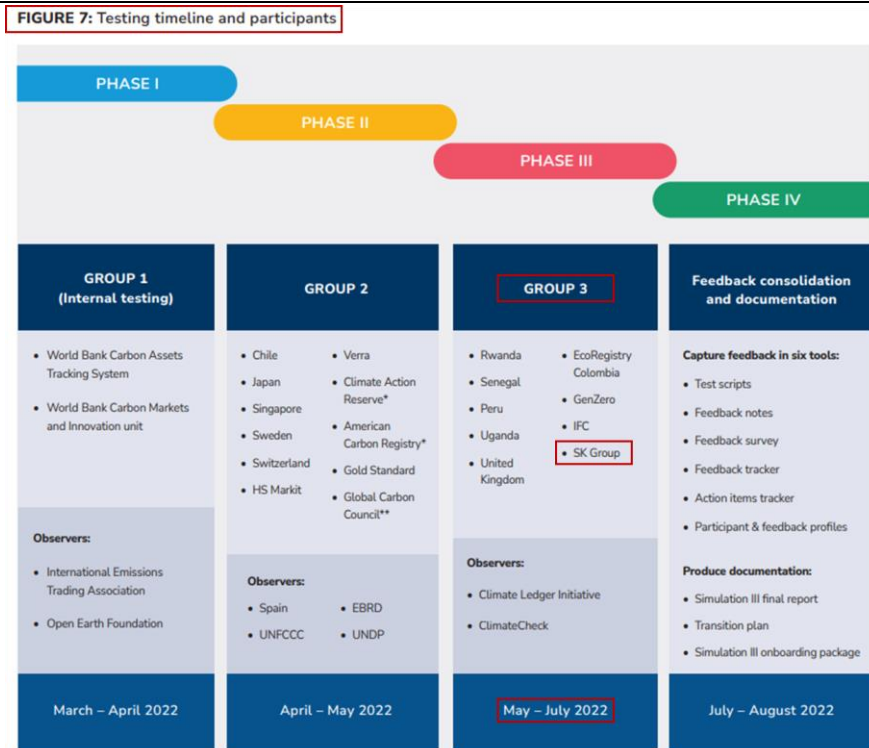
*Reference: World Bank (2022), Climate Warehouse Simulation Final Report, pp.16-17.

Are policies and robust procedures in place to…	
a) prevent the programme registry administrators from having financial, commercial or fiduciary conflicts of interest in the governance or provision of registry services? (*Paragraph 2.4.6*)	☒ YES
b) ensure that, where such conflicts arise, they are appropriately declared, and addressed and isolated? (*Paragraph 2.4.6*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to in a) and b):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) The secretariat of the KCCI center for Carbon Reduction Certification manages policies and procedures to meet the requirements for conflict of interest and fairness in the deliberation agenda of the members of the steering committee, the certification committee, the secretariat staff, and the registry manager. Please refer to the KCCI Center for Carbon Reduction Certification Operation Requirements > Article 2 > 1 > ⑧ .

[KCCI Center for Carbon Reduction Certification Operation Requirements]

Article 2   (Responsibility and Authority)

  1. The Secretariat shall
   ⑧ The Secretariat shall manage the Steering Committee, Certification Committee, Secretariat staff, and Registry Manager to ensure that they satisfy the requirements for disclosure of security matters learned during KCS duties, conflict of interest and fairness in the deliberation agenda and make a pledge in Document No. 2-1 and Document No. 2-2.

b) The purpose is to prevent problems related to conflict of interest and fairness, but if such problems occur, re-evaluation and cancellation of reductions, etc. are reviewed through the certification committee.

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a-b) The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Center for Carbon Reduction Certification Operation Requirements of KCS ver. 1.1 (Article 2)	Click here
Pledge of Confidentiality (Document No. 2-1 of KCS ver. 1.1)	Click here
Confirmation of Interests (Document No. 2-2 of KCS ver. 1.1)	Click here

In addition, Centero does not have the authority to make decisions regarding the certification process and is limited to recording the interactions between designated actors participating in the overall KCS certification process and the resulting approval or rejection.

Are provisions in place…	
a) ensuring the screening of requests for registry accounts? (*Paragraph 2.4.7*)	☒ YES
b) restricting the programme registry (or registries) accounts to registered businesses and individuals? (*Paragraph 2.4.7*)	☒ YES
c) ensuring the periodic audit or evaluation of registry compliance with security provisions? (*Paragraph 2.4.8*)	☒ YES

Summarize and provide evidence of the registry security provisions referred to in a) through c):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) If you want to register an account on Centero system, you can request an account registration, and the center reviews it and decides whether to register. Please refer to the Registry Management Requirements > Article 4 > 1, 4.

[Registry Management Requirements]

Article 4   (Registration of Holding Accounts, etc.)

1. A person who became a project participant and intends to register a holding account shall submit the following documents to KCCI Center for Carbon Reduction Certification electronically.
   ① Application for registry account creation according to Document No. 5-1
   ② Documents proving the identity (copy of corporate register and business registration certificate or documents equivalent thereto)
   ③ Consent for the performance of account management tasks by the account representative and account manager pursuant to Article 6
   ④ Consent to provision, etc. of personal information
4. KCCI Center for Carbon Reduction Certification shall review the application for registration of a Project holding account submitted pursuant to Paragraph 1 and, if appropriate, register the account held in the name of the applicant or corporation in the registry.

b) Account registration on Centero is available for both individuals and corporations, and the account representative must be the owner of the account in the case of an individual, and the representative of the corporation in the case of a corporation. Representatives of corporate accounts may appoint no more than two account managers. Please refer to the Registry Management Requirements > Article 6 > 1 to 3.

[Registry Management Requirements]

Article 6 (Account Representative and Account Manager)

1. The account representative shall be the person in each of the following subparagraphs.
   ① The account holder for individual accounts
   ② The representative of the corporation for corporate accounts
2. The representative of corporate accounts may designate up to two account managers.
3. The person who can apply for the transfer of certified reduction in the holding account is limited to the account representative under Paragraph 1 and the account manager under Paragraph 2.

c) The security team within Centero conducts (1) Secure-Coding (2) Infra vulnerability inspection (3) mock hacking, which must be received during system launch. System open is permitted only when there are no problems in all items. In addition, the security team conducts system vulnerability checks on a regular basis. When vulnerabilities are discovered, we proceed with vulnerability security plans and implementation checks.

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a-b) As some part of the ver1.0 of KCS standard and requirements were revised to KCS ver1.1 and came into effect on November 24, 2023, according to the approval of the Steering Committee, the previous article or paragraph numbers on the above responses were sequentially changed, as shown below. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Registry Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 4~~	Article 5	Click here
	~~Article 6~~	Article 7	

Supplementary materials	KCS Docs and Guidelines		Direct weblinks (Links to KCS Registry)
	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	
Application for Registry Account Creation	~~Document 5-1~~	Document 5-3	Click here

In addition, the KCS registry follows the real name system and requires legal names to be entered when registering as a member, thereby restricting registration under a false name.

Screenshot on the KCS registry

Privacy Policy

Privacy Policy

SK Inc. (hereinafter referred to as the "Company") establishes and discloses the following personal information processing policy in order to protect the personal information of information subjects in accordance with Article 30 of the Personal Information Protection Act and to promptly and smoothly handle related grievances.

Article 1 Personal Information Collection Items and Purpose of Use

1.The Company collects and uses personal information for the following purposes. The personal information being processed is not used for purposes other than the following purposes, and if the purpose of use is changed, necessary measures such as obtaining separate consent from the subject of personal information in accordance with Article 18 of the Personal Information Protection Act shall be implemented.

Type	Required Information
Items to be collected	ID, password, name, affiliation (company), company e-mail, company phone number, company address

c) The Centero implementation considered various failover, auditing, and backup mode system. A blockchain-based database has been implemented. Based on cloud watch solutions from Microsoft Azure and AWS, the support team has full control of what's happening in the system, including reports and information about its actual operational status. The database implementation includes a backup system that provides full recovery opportunity every 24 hours and backups for the last 7 days are stored.

Question 3.5 Legal nature and transfer of units

Does the programme define and ensure the following:	
a) the underlying attributes of a unit? (Paragraph 2.5)	☒ YES
b) the underlying property aspects of a unit? (Paragraph 2.5)	☒ YES

Summarize and provide evidence of the processes, policies, and/or procedures referred to in a) and b), including their availability to the public:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS defines the criteria for the issuance of certified reduction as practicality, additionality, sustainability, and verifiability, and there is the stage all results are evaluated whether they meet the criteria from the 3rd party validation and verification. Please refer to the KCCI Carbon Standard > Article 4 > 1 to 2.

[KCCI Carbon Standard]

Article 4   (Composition)

1. KCS includes the principles of ISO 14064-2, the basis for international certification systems (CDM, VCS, etc.) and domestic external project certification systems.

2. KCS consists of requirements, evaluation methods, and certification procedures.

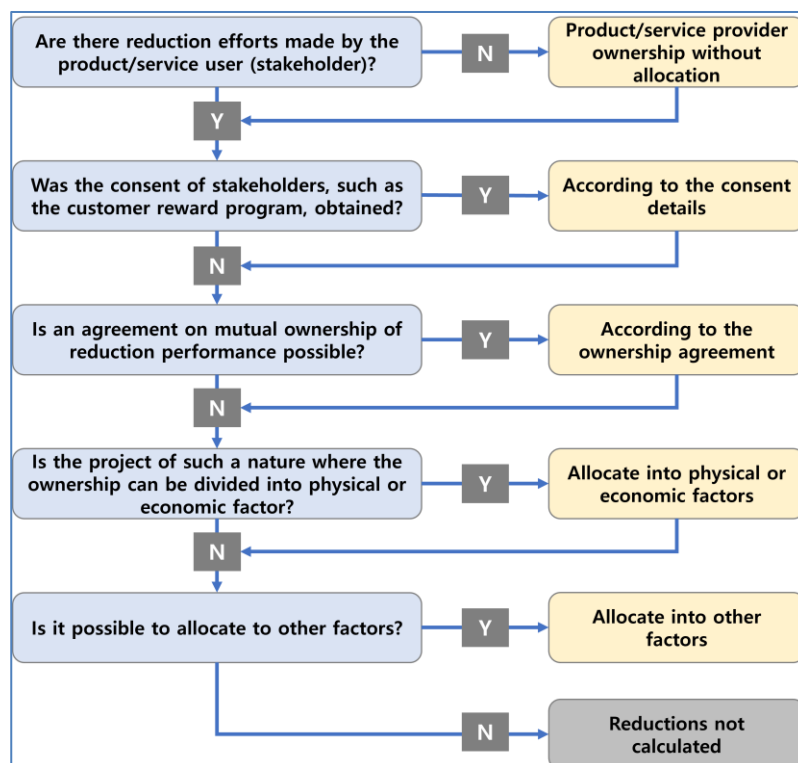|	
Requirements	**[Standard Principles]** Requirements to meet reality, additionality, sustainability, and verifiability. **[Evaluation Target]** Projects implemented after the enforcement date of the Framework Act on Low Carbon, Green Growth (April 14, 2010) **[Crediting period]** Renewal/re-examination mandatory on exceeding 5 years after approval/registration
Evaluation method	**[Evaluation Criteria]** Based on the methodology registered in the registry **[Scope of evaluation]** Project reducing GHGs specified by UNFCCC
Certification procedure	**[Issuance type]** Issued in units of 1 ton (tCO2eq) **[Certification procedure]** Issued through 3rd party verification and certification committee resolution

<Table 1> KCS Constituents

b) KCS identifies the ownership of the certified reduction and transfers it to the account held by the relevant project proponent. Please refer to the Project Management Requirements > Article 29 > 2.

[Project Management Requirements]
Article 29 (Issuance of Project Certified Reduction)

2. KCCI Center for Carbon Reduction Certification shall transfer the Project certified reduction issued pursuant to Paragraph 1 to the account held by the project proponent depending on the project monitoring report of the relevant project registered in the registry or the distribution of ownership of the Project certified reduction or reduction contribution as determined in the evidentiary materials related to the transfer of certified reduction. Confirmation of ownership or reduction contribution shall be determined by considering the characteristics of the project by referring to the following criteria to clarify the operation and responsibility for the project and not to overestimate the reduction effect.

[Criteria for Determining Ownership or Reduction Contribution of Projects]

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a) The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 4)	Click here

b) As mentioned earlier, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 29~~	Article 32	Click here

Basically, the properties of offset credits generated by KCS Programme are defined in the protocol and recognized as core principles. These correspond to real, additional, irreversible, and verifiable. KCS includes the principles of ISO 14064-2, which is the basis for international certification systems such as CDM, VCS and more.

The KCS Protocol focuses on providing guidance for conducting verification and validation processes, while also defining the principles governing carbon credit registration, certification, and registration across the different types of projects permitted by the Protocol.

The verification and validation process ensures that the project has been developed in accordance with these properties. Other attributes of the carbon unit, such as country of origin, methodology used to quantify the unit, and sectoral scope are included in the carbon unit serial number.

Structure of KCR credit on the KCS registry

Example of KCR Credit Certificate	Detailed Information (Links to KCS registry)
	Credit Example on the KCS registry: • (KCS-P-23-005) Project for reduction of fossil fuels and greenhouse gas emissions through production of warm mix asphalt concrete in Korea • 1,244 KCRs issued
	• Direct weblinks for more details (with certificate) : Click here

Question 3.6 Validation and verification procedures

Are standards, requirements, and procedures in place for… (*Paragraph 2.6*)	
a) the validation of activities?	☒ YES
b) the verification of emissions reductions?	☒ YES
c) the accreditation of validators?	☒ YES
d) the accreditation of verifiers?	☒ YES

Provide evidence of the standards, requirements, and procedures referred to in a) through d), including their availability to the public:

A. Information contained in the programme's original application, including information submitted in response to

follow-up discussions and written questions pertaining to this topic:

a) KCS has standards, requirements, and procedures for the validation of projects. The secretariat reviews the suitability of the project according to Article 7 of Project Management Requirements. Please refer to the Project Management Requirements > Article 7 > 1 >① to ⑨.

[Project Management Requirements]
Article 7   (Project Conformity Review)

      1.   KCCI Center for Carbon Reduction Certification shall conduct a compliance review considering the following subparagraphs in conducting an evaluation pursuant to Article 6. At the time, KCCI Center for Carbon Reduction Certification may utilize external experts for the conformity review.
          ① Compliance with the general requirements of the Project
          ② Adequacy of the applied methodology
          ③ Adequacy of the baseline scenario
          ④ Adequacy of the additionality demonstration
          ⑤ Adequacy of the emission calculation method
          ⑥ Adequacy of the monitoring plan
          ⑦ Adequacy of the certification crediting period
          ⑧ Duplicate registration of the Project
          ⑨ Adequacy of corrective/supplementary measures if any

b) KCS requires 3rd party verification of reduction. Project Management Requirements define the principle of validation, the procedure for validation, and the evaluation criteria for validation. Please refer to the Project Management Requirements > Article 22 to 23 and Document No. 4-1. Application for Project Approval.

[Project Management Requirements]
Article 22   (Principle of Validation)

      Verification of Project GHG emissions shall be based on facts according to objective data and evidence, and the details shall be transparently recorded in the verification report.

Article 23   (Verification of Project GHG Reductions)

      1.   A project proponent shall prepare relevant documents, including a project monitoring report pursuant to Article 21, and request verification of the GHG reductions to a 3rd party auditor if GHG reduction occurs from implementing the project.
      2.   The 3rd party auditor shall objectively evaluate the project monitoring report prepared by the project proponent.
      3.   The 3rd party auditor shall prepare a validation report by considering each of the following subparagraphs in evaluating the validation of Project GHG reductions.
          ① Evaluation of changes after PDD submission

②   Project implementation according to the PDD

③   Compliance with the PDD according to the applied methodology

④   Implementation of monitoring according to the PDD

⑤   Data evaluation and GHG reduction (absorption) calculation

⑥   Data quality control and quality assurance procedures

⑦   Duplicate certification of GHG reduction in other systems

4.   The 3rd party auditor may request revision and supplementary measures if supplementation is required based on the results of document review and on-site survey, and the requested project proponent shall take appropriate measures for the revised and supplemented matters.

5.   The 3rd party auditor shall prepare a verification report on the evaluated results and notify the project proponent.

6.   The 3rd party auditor shall evaluate according to the evaluation criteria in Guideline 4-1 for verifying the project GHG reductions.

The above information and [Document No. 4-1] Application for Project Approval can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

c) The validation assessment for the PDD of the project is primarily conducted by the 3rd party auditor, and the certification center conducts the final evaluation based on the results. Verification is also carried out by a 3rd party auditor. The 3rd party auditors must establish a project evaluation process and auditor management system, etc., and must be able to manage and provide them transparently. The 3rd party auditors must meet one or more of the following requirements: institutions registered as project validation and verification organizations in local or global programs; Organizations that meet relevant international standards such as ISO 14065: 2013 and IAF MD 6: 2014 and have individual auditors qualified to evaluate projects. Please refer to the KCCI Carbon Standard >Article 5 > 4 > ① to ④.

[KCCI Carbon Standard]
Article 5   (Standard Principles)

KCS shall define the standard principles including all the common principles of domestic and overseas GHG reduction inspection and certification systems, 'practicality, additionality, sustainability, and verifiability.'

4.   Verifiability

①   Validation & Verification
Validation &Verification by an independent 3rd party auditor is necessary apply for methodology and PDD registration or to submit reductions monitoring reports according to KCS.

②   Eligibility of 3rd party auditor
- The 3rd party auditor must be registered as an agency in domestic and international reduction systems or satisfy relevant international standards such as ISO 14065: 2013 and

IAF MD 6: 2014, and have auditors qualified for evaluating Projects.

- The 3rd party auditor must have a project evaluation process and auditor management system, etc., and be able to provide them transparently.

③ Tasks of a 3rd party auditor

- The 3rd party auditor validates the methodology upon its registration, revision and renewal, the project plan upon the registration, revision, and renewal of the project, and the GHG reductions of the registered projects, and implements necessary measures, such as requests for revision or supplementation of verification, upon certifying the GHG reductions.

④ Assurance level

- While it is recommended to obtain a reasonable guarantee from a 3rd party auditor for the GHG reduction or removal amount, limited guarantees are also allowed.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a) The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Project Management Requirements of KCS ver. 1.1 (Article 7)	Click here

b) As mentioned earlier, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 22~~	Article 24	Click here
	~~Article 23~~	Article 25	

Supplementary materials	KCS Docs and Guidelines		Direct weblinks (Links to KCS Registry)
	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	
Evaluation Criteria for KCCI Certified	~~Guideline 4-1~~	Guideline 4-2	Click here

Reduction Verification			
Application for Project	Document 4-1		[Click here](#)

c-d) The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 5)	[Click here](#)

As per Article 5 of KCS Standard, 3rd party auditor for validation and verification must be qualified based on ISO 14065 and IAF MD 6 standards, under the KCS programme. Especially in Korea, the National Institute of Environmental Research (NIER) specifies a 3rd party auditor that meet ISO 14065:2020 and ISO/IEC 17029:2019 standards, which are also publicly disclosed in the KCS registry, as listed below.

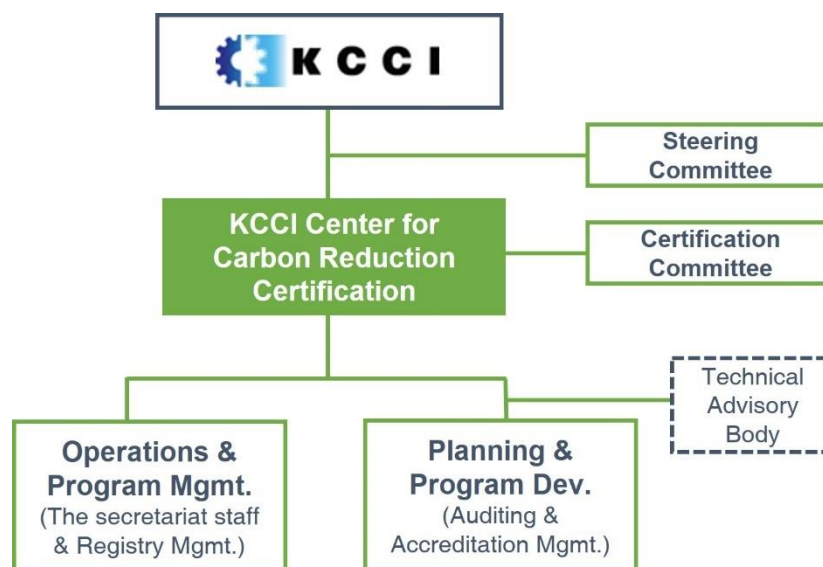| References	Direct weblinks
Relevant Requirements under the KCS (Article 5 of KCCI Carbon Standard ver1.1)	[Click here](#)
List of 3rd party auditors (in Korea, posted in the KCS registry)	[Click here](#)
Website of National Institute of Environmental Research	[Click here](#)

Question 3.7 Programme governance

Does the programme publicly disclose who is responsible for the administration of the programme? (*Paragraph 2.7*)	☒ YES
Does the programme publicly disclose how decisions are made? (*Paragraph 2.7*)	☒ YES

Provide evidence that this information is available to the public:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCCI Center for Carbon Reduction Certification operates KCS and related personnel and organizational charts can be found on Centero at http://kcs.centero.kr Details of the decision-making method of KCS are disclosed on the KCS website, and after the actual decision-making is completed, all committee meeting minutes and final deliberation resolutions for public disclosure are uploaded to the website to determine the decision-making process and the results to disclose.

As mentioned on the beginning, the KCCI Center for Carbon Reduction Certification evaluates methodologies and projects for various GHG reduction activities and provides objective and reliable assurance of the reductions. The center is composed of two committees and a secretariat supporting them, as the organization chart shown below.
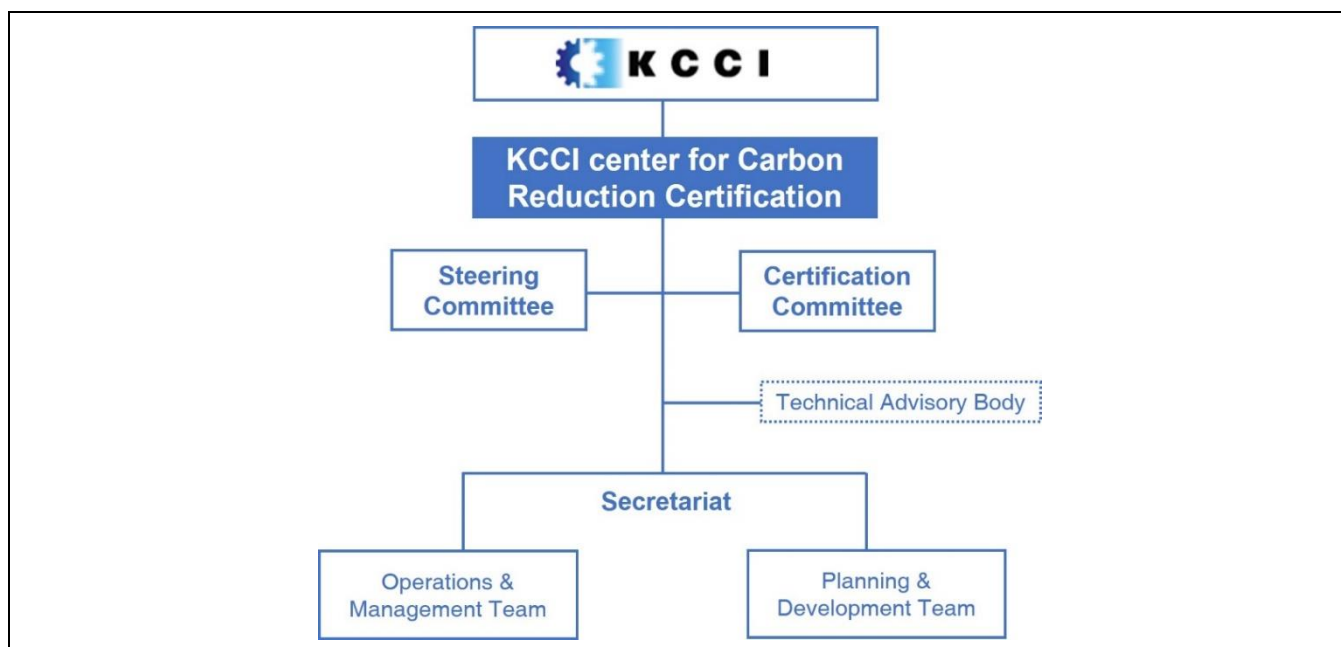
The main functions are as follows.

① Steering Committee
 − Deliberates and certifies carbon standards
 − Facilitates the voluntary carbon market and sets up support plans, etc.
② Certification Committee
 − Deliberates and certifies methodology and PDDs
 − Deliberates and certifies results of carbon reductions
③ Secretariat
 − Reviews applications for certification of methodology and reductions
 − Supports the operation of each committee
 − Conducts operational affairs related to the operation of certification center

Regarding the Information Disclosure and Stakeholder Opinion Gathering, The Center transparently discloses all standard documents, procedures, and approval results, excluding business secrets of project proponents, to secure trust by hearing and reflecting stakeholder opinions.

The KCS and approved methodologies are reviewed periodically to ensure compliance with current requirements, international best practices, and scientific consensus. Opinions from stakeholders are collected and reflected in newly applied methodologies or significant changes to the KCS, requirements, guidelines, and approved methodologies.

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):
  The KCS programme is operated by two committees and a secretariat, and the organizational chart as shown below is publicly disclosed in the registry at weblink: Click here

However, considering the possibility of issues related to the fairness and impartiality of the committee list and stakeholders, the details of the list are not made public on the KCS registry and any related website.

Meanwhile, of the Steering Committee members, each director general of Korean Ministry of Environment (ME) and the Ministry of Trade, Industry and Energy (MOTIE) were changed to Mr. Youngsuk Lee and Mr. Yeonwoo Choi, respectively, who were newly appointed due to transfers to other departments.

The Certification Committee, which was operated with 7 members last year, is currently operating with 8 members since March 2024, as Dr. Soonchul Park at Korea National Cleaner Production Center and Dr. Hongchong Cho, a professor at Dankook University joined, instead of Dr. Hojeong Park, a professor at Korea University who resigned on February 11, 2024.

Can the programme demonstrate that it has… (*Paragraph 2.7.2*)	
a) been continuously governed for at least the last two years?	☒ YES
b) been continuously operational for at least the last two years?	☒ YES
c) a plan for the long-term administration of multi-decadal programme elements?	☒ YES
d) a plan for possible responses to the dissolution of the programme in its current form?	☒ YES

Provide evidence of the activities, policies, and procedures referred to in a) through d):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:
Click or tap here to enter text.

a) The related work of the center has been organized and carried out since 2021, to manual operated its validation and verification procedures by experts and professionals.

b) It continues to operate continuously as of March 2023.

c) The crediting period of KCS is 5 years (can be extended 2 times) for general projects and 15 years (can be extended 2 times) for the forest sector.

d) Even if KCS is disbanded in the future, the Korea Chamber of Commerce and Industry will supervise and manage follow-up measures for related implementation matters. In addition to this, please refer to the Project Management Requirements > Article 5 > 2 to 3.

Article 5   (Certification Crediting Period)

   2.   The certification crediting period under paragraph 1 shall be within 5 years from the date the Project is approved pursuant to Article 10, but the extension shall be limited to two times. However, the criteria and principles according to KCS must be re-evaluated in case of extension.

   3.   Notwithstanding paragraph 2, the certification crediting period for projects belonging to the forestry sector shall be within 15 years from the date of project approval pursuant to Article 10, but extension shall be limited to two times. However, the criteria and principles according to KCS must be re-evaluated in case of extension.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a-b) The KCS Programme (formerly SKCS Programme) been continuously governed and operational for at least the last two years, since its certification center was constituted in 2021, as the article in July 2021 by Korea Herald at https://www.koreaherald.com/view.php?ud=20210725000218

c) The above response has been updated to reflect the ongoing work with being conducted by the KCS.

First, KCS Programme is expected to run to at least February 2033, since of which operator, Korea Chamber of Commerce and Industry has signed a usage contract with its registry known as Centero until Feb 23, 2033, as the contract shown below.

Copy of Usage Contract with Centero Platform as the electronic registry of KCS Programmme

Centero 플랫폼 서비스 이용 계약서

부속서 1. 계약일반조건
       2. 서비스 공급내역서
       3. Centero Price List

제1조 (목적)
본 Centero 플랫폼 서비스 이용계약(이하 "본 계약"이라 함)은 SK주식회사(이하 "공급자")가 대한상공회의소(이하 "사용자")에게 센테로(영문명 : "Centero")플랫폼 서비스(이하 "Centero 서비스")를 제공하는 것과 관련된 권리와 의무, 그 밖에 필요한 기본적인 사항을 규정함을 목적으로 한다.

제2조 (계약의 범위)
① 공급자는 사용자에게 Centero 서비스를 제공하며, 구체적인 서비스 내용 및 수행 방법 및 가격 등의 세부 내용은 부속서 1. 계약일반조건, 2. 서비스 공급내역서, 3. Centero Price List 에 따른다.
② Centero 서비스의 제공에 관하여 본 계약에서 달리 정하는 경우를 제외하고, 양 당사자간 2023.02.22 자로 체결한 '자발적 탄소 시장 활성화를 위한 사업 공동 개발 업무 협약서(이하 "기본협약")'의 제 3 조 제 1 항에 따라 기본협약이 적용된다.

제3조 (계약의 효력 및 기간)
① 서비스 이용기간은 2023 년 02 월 24 일부터 2033 년 02 월 23 일(10 년 간)로 한다. 양 당사자는 계약기간이 2 년 경과하는 시점마다 부속서 3. Centero Price List 의 변경에 대해 협의한다.
② 서비스 이용기간 내에 기본협약 제 2 조 제 7 항의 독립법인(이하 "독립법인")이 출범하는 경우, 해당 독립법인은 본 계약에서 정하는 사용자의 권리·의무를 승계한다.

사용자 : 대한상공회의소
서울특별시 중구 세종대로 39
회장 최 태

공급자 : SK 주식회사
경기도 성남시 분당구 성남대로 343번길9 SK U-타워
(본점 : 서울 종로구 종로26)
사장 윤 풍 영

English Translation on the marked in red as shown above:

- This Centero Platform Service Use Agreement (hereinafter referred to as this Agreement) is the rights and obligations related to the provision of Centero (English name: Centero) platform service (hereinafter referred to as Centero Service) by SK Corporation (hereinafter referred to as Provider) to the Korea Chamber of Commerce and Industry (hereinafter referred to as User). The purpose is to stipulate other necessary basic matters.
- This contract to use the service is come into effect from February 24, 2023 to February 23, 2033 (10 years).
- Sealed by Taewon Chey, a chairman of Korea Chamber of Commerce and Industry (KCCI) at 39 Sejong-daero, Jung-gu, Seoul, on behalf of the user.

Second, the non-profit Korea Chamber of Commerce and Industry (KCCI) encourages all the society to save the planet by voluntary carbon reductions, strengthening cooperation with the Korean government, especially the Ministry of Environment (ME) and the Ministry of Trade, Industry and Energy (MOTIE) to ensure stable operation of KCS Programme with reliability of certification. In this regard, on July 13, 2023, KCCI center has signed an MOU with the Ministry of Environment, as the article by Korea Times in the below states:

https://www.koreatimes.co.kr/www/biz/2024/03/602_355404.html

Excerpted Copy of MOU between KCCI and Environment Ministry of Korea

「국내 자발적 탄소시장 조기정착 및 건전성 확보」를 위한 업무협약서
대한상공회의소 - 환경부

대한상공회의소(이하 "대한상의")와 환경부는 민간 주도의 자발적 탄소시장 조기정착 및 건전성 확보를 위해 상호 신뢰와 호혜를 바탕으로 아래와 같이 업무협약(이하 "본 협약")을 체결한다.

제1조(목적) 본 협약은 대한상의, 환경부의 상호 협력을 바탕으로 국내 자발적 탄소시장 조기정착 및 건전성 확보를 목적으로 한다.

제2조(협력 사항) 대한상의와 환경부는 제1조의 목적 달성을 위하여 상호 신뢰를 바탕으로 다음 사항에 대해 협력하기로 한다.

1. 자발적 탄소감축 인증기업에 대한 방법론, 인증실적 등 주기적인 정보교환
2. 자발적 탄소시장 활성화를 위해 기업 등의 자발적인 감축활동을 적극 지원
3. 참여기업 지원 프로그램 운영, 국제협력, 행사 개최 등 공동사업 개발
4. 자발적 탄소시장 신뢰도 제고를 위한 제반 연구 및 조사 활동 등의 공동수행
5. 관련 정책 및 정보의 공유 등 현안 대응
6. 기타 자발적 탄소시장 활성화에 필요하다고 인정되는 사항

English Translation as shown above:

- MOU for "Establishment and Enhancing soundness of domestic voluntary carbon market" between Korea Chamber of Commerce and Industry and Ministry of Environment
- To ensure early settlement and soundness, based on mutual trust and public interest, Korea Chamber of Commerce and Industry (hereinafter referred to as "KCCI") and the Ministry of Environment are developing a private-led voluntary carbon market through this agreement (hereinafter "this agreement")
- Article 1 (Purpose) This agreement is a domestic voluntary agreement based on cooperation between the Korea Chamber of Commerce and Industry and the Ministry of Environment to establish the carbon market early and ensure its soundness.
- Article 2 (Cooperation Matters) The Korea Chamber of Commerce and Industry and the Ministry of Environment must establish mutual trust to achieve the purpose of Article 1, as follows:
  1. Periodic exchange of information on methodology, certification records and certified companies
  2. Actively support voluntary reduction activities by companies to revitalize the voluntary carbon market.
  3. Developing joint projects such as operating support programs for participating companies, international cooperation, and events
  4. Jointly carry out various research and survey activities to improve the reliability of the voluntary carbon market
  5. Response to current issues such as sharing of related policies and information
  6. Other matters deemed necessary for revitalizing the voluntary carbon market

Furthermore, KCCI center for Carbon Reduction Certification is seeking to become an independent and greater entity by 2025 for more stable operation of KCS Programme, while KCCI center is currently being operated as an affiliate of the Korea Chamber of Commerce and Industry (KCCI).

Are policies and robust procedures in place to…	
a) prevent the programme staff, board members, and management from having financial, commercial or fiduciary conflicts of interest in the governance or provision of programme services? (*Paragraph 2.7.3*)	⊠ YES
b) ensure that, where such conflicts arise, they are appropriately declared, and addressed and isolated? (*Paragraph 2.7.3*)	⊠ YES

Summarize and provide evidence of the policies and procedures referred to in a) and b):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) The secretariat of the certification center manages policies and procedures to meet the requirements for conflict of interest and fairness in the deliberation agenda of the members of the steering committee, the certification committee, the secretariat staff, and the registry manager. Please refer to KCCI Center for Carbon Reduction Certification Operation Requirements > Article 1 > 1 > ⑧ and Document No. 2-1. Pledge of Confidentiality and Document No. 2-2. Confirmation of Interests.

[KCCI Center for Carbon Reduction Certification Operation Requirements]

Article 1   (Responsibility and Authority)

    1.   The Secretariat shall
        ⑧ The Secretariat shall manage the Steering Committee, Certification Committee, Secretariat staff, and Registry Manager to ensure that they satisfy the requirements for disclosure of security matters learned during KCS duties, conflict of interest and fairness in the deliberation agenda and make a pledge in Document No. 1 and Document No. 2-2.

[Document 2-1] Pledge of Confidentiality

I hereby pledge not to disclose any information obtained in the activities relating to the Korean Chamber of Commerce and Industry's carbon reduction certification work without the permission of the Committee and not use undisclosed information among the above for the interests of myself or a third party without justifiable reasons. By signing this form, I confirm and pledge to perform reasonable roles for confidentiality and prohibition on using information and fulfill all responsibilities concerning violations.

[Document 2-2] Confirmation of Interests

Matters of Interests	Response
Do you have experience working in a department or consulting agency of a	□ Yes

Project directly related to this deliberation agenda over the last two years?	□ No
Do you have experience in project participation, consultation, and consulting related to this deliberation agenda over the past two years?	□ Yes □ No
Have you ever received financial benefits or threats concerning this work from a Project related to this deliberation agenda?	□ Yes □ No

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

b) To prevent problems related to conflict of interest and fairness at the source, if such problems occur, re-evaluation of results, cancellation of results, etc. are reviewed through the certification committee.

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a) Please note that KCCI center quoted an incorrect provision to the above question in the previous application in 2023, due to simple human error. The following is the correct response to the question.

References	Direct weblinks (Links to KCS Registry)
Responsibility and Authority (Article 2, Paragraph 1, Subparagraph 8 of KCCI Center for Carbon Reduction Certification Operation Requirements KCS ver. 1.1)	Click here
Pledge of Confidentiality (Document 2-1)	Click here
Confirmation of Interest (Document 2-2)	Click here

b) The verification agenda is prepared after prior screening and final review and approval. Pre-screening is conducted by secretariat staff, and participation is permitted only if there is no conflict of interest through a prior pledge, as shown below.

Image 1-1: Sample of Confirmation sheet of Interest (for Secretariat staff of KCCI center)	

The final review and approval of the agenda is performed by the certification committee members. Conflicts of interest are checked through pledges, and participation is prohibited if a conflict of interest occurs. A copy of the pledge used for previous certifications is shown below.

Image 1-2: Sample of Confirmation sheet of Interest (for Certification Committee members)	

If the programme is not directly and currently administered by a public agency, can the programme demonstrate up-to-date professional liability insurance policy of at least USD$5M? (*Paragraph 2.7.4*)	☐ YES

Provide evidence of such coverage:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

In the case of liability insurance for the KCS, as of March 2023, we have requested a quote both from a global liability insurance and local reinsurance company and got an insurance application form as shown above from Hyundai Marine and Fire Insurance Company based in Seoul to design products that can guarantee at least USD 5 million compensation required by CORSIA. Provided that KCS program is allowed to be enlisted in CORSIA, KCCI Center will subscribe Professional Indemnity Errors and Omissions Insurance within 6 months from the date requested to do so by ICAO.

For more detail about an expected insurance issuer, Hyundai Marine and Fire Insurance Company, please refer to its website, available in English and Korean, at https://www.hi.co.kr

In addition to the insurance, KCCI Center is trying to minimize such risks under the credibility and reputation of KCCI in the country and a company that operates the Centero site maintains the highest level of security and integrity.

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As of 2024, the current budget of the Korea Chamber of Commerce and Industry is 120 billion Korean won (equivalent to approx. USD $90M) per year, and if liability arises due to incorrect certification, the Korea Chamber of Commerce and Industry will take responsibility based on the principle of good faith.

Furthermore, KCCI center is seeking to become an independent entity by 2025 and planning to calculate updated estimates for insurance subscription for stable operation of KCS Programme.

Question 3.8 <u>Transparency and public participation provisions</u>

Does the programme publicly disclose… (*Paragraph 2.8*)	
a) what information is captured and made available to different stakeholders?	☒ YES
b) its local stakeholder consultation requirements (if applicable)?	☒ YES
c) its public comments provisions and requirements, and how they are considered (if applicable)?	☒ YES

Provide evidence of the public availability of items a) through c):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS transparently discloses all standard documents and procedures and approval results except business secrets of proponents. Please refer to the Registry Management Requirements > Article 3 > 1 to 2.

[Registry Management Requirements]

Article 3   (Management and Operation of Registry)

     1.   KCCI Center for Carbon Reduction Certification shall manage the registry to ensure availability and confidentiality, and manage the issuance, transfer, and disposal of Project certified reduction in the form of an electronic database.

     2.   Notwithstanding Paragraph 1, KCCI Center for Carbon Reduction Certification may disclose the operation of the registry and the following information registered in the registry to the outside.

        ① Methodology

        ② List and general information of projects applied or registered

        ③ Certified reduction

b) It is not required, but it can be done if necessary.

c) KCS discloses all documents related to standards, requirements, guidelines and procedures through the Centero system and allows stakeholders to use them, and secures reliability by listening to and reflecting stakeholders' opinions. In addition, carbon standards and approved methodologies are periodically reviewed to ensure compliance with current requirements, international best practices, and scientific consensus. When a new methodology is applied for or a significant change occurs in carbon standards, guidelines, and approved methodologies, the opinions of stakeholders are collected and reviewed. Please refer to the KCCI Carbon Standard > Article 9.

[KCCI Carbon Standard]
Article 9 (Public Opinion Collection)

     Upon revising this standard, stakeholders' opinions must be collected through external disclosure,

and it must be reviewed on whether to reflect the received opinions.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a) The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Registry Management Requirements of KCS ver. 1.1 (Article 3)	Click here

b) Please note that KCCI center wrote an incorrect answer to the above question in the previous application in 2023, by interpreting the context of the question. The project's requirement to consult with local stakeholders must be disclosed in accordance with Article 9 of KCS Standard and Article 4 of Registry Management Requirements. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Public Consultation (Article 9, KCCI Carbon Standard of KCS ver. 1.1)	Click here
Information Disclosure (Article 4, Registry Management Requirements of KCS ver. 1.1)	Click here

c) In accordance with the KCS requirements, all methodologies and projects seeking an approval and registration in the KCS registry must disclose information and go through the corresponding opinion collection process, and if meaningful opinions arise, they must be reflected before being sent to the Certification Committee. The public comments period is up to 30 days as in the provisions of the revised KCS 1.1 below.

References	Direct weblinks (Links to KCS Registry)
Methodology Management Requirements of KCS ver. 1.1 (Article 4)	Click here
Project Management Requirements of KCS ver. 1.1 (Article 9)	Click here
Registry Management Requirements of KCS ver. 1.1 (Article 4)	Click here

Supplementary materials	Direct weblinks (Links to KCS Registry)
Methodology Proposal (Document 3-2)	Click here
Project Design Document (Document 4-2)	Click here

Non-Disclosure Request Deliberation Result (Document 5-2)	[Click here](#)

In addition, in case of KCS standards and requirements, public comments and suggestions can be received at any time through the KCS registry through the following channels, and the secretariat is supposed to take these into consideration when revising them, regardless of methodology or project whose due date have been expired.

References	Direct weblinks (Links to KCS Registry)
Direct Links to submit Public Opinions Online	[Click here](#)
Frequently Asked Questions	[Click here](#)
Contact Information	[Click here](#)

As an example, when KCS version 1.0 was enacted in January 2023 and revised to version 1.1 in November, KCCI held briefing seminars to the public to collect their opinions and reflected them. Relevant document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Public Consultation Report on the establishment of KCS ver. 1.0	[Click here](#)
- All standard and requirements of KCS ver. 1.0	[Click here](#)
Public Consultation Report on the revision from KCS ver. 1.0 to ver. 1.1	[Click here](#)
- Summary of Changes from KCS ver. 1.0 to ver. 1.1	[Click here](#)

Does the programme conduct public comment periods relating to… (*Paragraph 2.8*)	
a) methodologies, protocols, or frameworks under development?	☒ YES
b) activities seeking registration or approval?	☒ YES
c) operational activities (e.g., ongoing stakeholder feedback)	☒ YES
d) additions or revisions to programme procedures or rulesets?	☒ YES

Summarize and provide evidence of any programme procedures referred to in a) through d):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS transparently discloses all standard documents and procedures and approval results except business secrets of proponents.

b) In addition, reliability is secured by listening to and reflecting to the opinions of stakeholders.

c) All operational activities are periodically reviewed to ensure compliance with current requirements, international best practices, and scientific consensus.

d) When a new methodology is applied for or a significant change occurs in carbon standards, guidelines, and approved methodologies, the opinions of stakeholders are collected and reviewed. Also, when KCS is revised, it is supposed to collect opinions from stakeholders through external disclosure in accordance with Article 9 of the carbon standard, and review whether the opinions are reflected. Please refer to the KCCI Carbon Standard > Article 9.

[KCCI Carbon Standard]
Article 9   (Public Opinion Collection)

> Upon revising this standard, stakeholders' opinions must be collected through external disclosure, and it must be reviewed on whether to reflect the received opinions.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a) The above response has been updated to reflect the ongoing work with being conducted by the KCS on the requirement to publicly disclose. As per Article 4 of Methodology Management Requirements, Methodologies to be registered on the KCS Registry are subject to a 30-day period of opinion collection after information disclosure. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Methodology Management Requirements of KCS ver. 1.1 (Article 4)	Click here
Registry Management Requirements of KCS ver. 1.1 (Article 4)	Click here

Unlike last year, on each methodology in the methodology list at click here, all the information on public comments collection activities will be provided on the KCS registry, as shown below.

Screenshot on the KCS registry
(A page of "Open Comment" provides detailed information on public comments period per each project)

In addition to this, Public Comment Period was at least 7 days until the revision to KCS ver. 1.1 from KCS ver. 1.0 but extended to 30 days under the KCS ver. 1.1, since Nov 2023, as shown below.

Category	Screenshots on the KCS registry
Image 1-1: Sample of Public Comments Period up to 30 days on the Methodology, since Nov 2023 (Case of Samsung Electronics : Methodology for reducing power usage in home appliances through software-based power saving technologies) at click here	
Image 1-2: Sample of Public Comments Period up to minimum 7 days on the Methodology until Oct 2023 (Case of Somuna Co., Ltd : Methodology for the Improvement of Transport Energy Efficiency through the Installation of Non-driving Refrigeration and Refrigeration Devices for Cold Chain Vehicles) at click here	

Apart from the above, especially 16 methodologies approved in 2021-2022 under SKCS Programme and transferred to KCS Programme in 2023, some of omitted opinion collection procedures were replaced with the intensive review by the certification committee in February and June 2023. Except for this, under the current KCS Programme that utilize an electronic registry since February 2023, all methodologies and project plans are required to collect public opinions.

b) As per Article 9 of Project Management Requirements, Projects to be registered on the KCS Registry are subject to a 30-day period of opinion collection after information disclosure. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Project Management Requirements of KCS ver. 1.1 (Article 9)	Click here
Registry Management Requirements of KCS ver. 1.1 (Article 4)	Click here

Unlike last year, on each methodology in the project list at click here, all the information on public comments collection activities will be provided on the KCS registry, as shown below.

Screenshot on the KCS registry (A page of "Open Comment" provides detailed information on public comments period per each project)

In addition to this, Public Comment Period was at least 7 days until the revision to KCS ver. 1.1 from KCS ver. 1.0 but extended to 30 days under the KCS ver. 1.1, since Nov 2023, as shown below.

Category	Screenshots on the KCS registry
Image 2-1: Sample of Public Comments Period up to 30 days on the Project, since Nov 2023 (Case of Samsung Construction & Trading : KCC Industrial Co., Ltd.'s Greenhouse Gas Reduction Project through Carbon Reduction Concrete Production) at click here	

Image 2-2: Sample of Public Comments Period <u>up to minimum 7 days</u> on the Project, until Oct 2023 (Case of Star's Tech : Greenhouse Gas Reduction Project Through Eco-friendly De-icers with the Application of Starfish) at [click here](#)	

c-d) As per Article 9 of KCS Standard, revising standards and protocols requires public opinions collection through public disclosure. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 9)	[Click here](#)

In case of KCS standards and requirements, public comments and suggestions can be received at any time through the KCS registry through the following channels.

References	Direct weblinks (Links to KCS Registry)
Direct Links to submit Public Opinions Online	[Click here](#)
Frequently Asked Questions	[Click here](#)
Contact Information	[Click here](#)

As an example, mentioned above, when KCS version 1.0 was revised to version 1.1, KCCI held briefing seminars to collect public opinions and reflected them into the revision. This information is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Public Consultation Report on the establishment of KCS ver. 1.0	[Click here](#)
- All standard and requirements of KCS ver. 1.0	[Click here](#)
Public Consultation Report on the revision from KCS ver. 1.0 to ver. 1.1	[Click here](#)
- Summary of Changes from KCS ver. 1.0 to ver. 1.1	[Click here](#)

Question 3.9 Safeguards system

Are safeguards in place to address… (*Paragraph 2.9*)	
a) environmental risks?	☒ YES
b) social risks?	☒ YES

Summarize and provide evidence of the safeguards referred to in a) and b), including their availability to the public:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS encourages businesses to carry out projects in consideration of environmental risks.

b) Project proponents must implement the project according to the PDD for the approved project and comply with relevant laws and regulations. Please refer to Project Management Requirements > Article 19 > 1 > ① to ⑤.

[Project Management Requirements]
Article 19   (Implementation of Project)

      1.   A project proponent shall implement the relevant Project according to the project plan of the approved project, comply with relevant laws and regulations, not impede other sustainable development standards other than GHG reduction, and appropriately operate and manage target facilities.

          ① It shall comply with local, national, and international laws and regulations for the projects not to cause harm.

          ② It shall identify environmental and local community risks and impacts.

          ③ It shall explain in detail the methods and mechanisms for preventing, reducing, mitigating, or compensating for negative environmental and community impacts and the monitoring, management, and implementation methods.

          ④ It shall ensure that the rights of affected communities and other interested parties have been acknowledged and that they are fully and effectively engaged and consulted.

          ⑤ It shall put continuous communication and grievance resolution mechanisms in place and share the benefits of the project with affected communities.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

  KCCI center encourages project proponents to conduct project considering environmental and social risks. All projects under KCS Programme are required to comply with and social protection measures in accordance with the above-mentioned requirements, and a 3rd party auditor is required to review and submit a verification report to determine whether these contents are met.

As the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 19~~	Article 21	Click here

The KCS program includes the principle of "Do no net harm", which is confirmed in the verification of activities. For a general project, compliance with legal requirements requiring environmental permits or licenses, environmental impact assessments and environmental management plans (if required) and reporting on environmental regulations in force are needed to compliance with applicable laws and frameworks. Hence, the project proponent must implement the project in accordance with the PDD for the approved project and comply with relevant laws and regulations.

Especially in case of environmental impacts, projects conducted in Korea are required to comply with all environmental impacts in accordance with "Act on the Integrated Control of Pollutant-discharging Facilities" under the jurisdiction of the Ministry of Environment of Korea.

References	Direct weblinks
Act on the Integrated Control of Pollutant-discharging Facilities	Click here
Website of Korea National Legislation Research Institute	Click here
Website of Korean Ministry of Environment	Click here

In short, KCS is dedicated to outlining the mechanisms designed to mitigate environmental and social risks. These safeguards are crucial for ensuring that carbon reduction projects contribute positively to climate change mitigation without causing harm to local ecosystems or communities. The following is a cases to illustrate how such programs address environmental and social risks under KCS Programme.

KCS Case: KCS-P-23-004 (2021 Carbon sink enhancement project through restoration of mangrove forests in Tra Vinh Province, Vietnam)	
Background	Mangrove reforestation projects in Vietnam aim to restore mangrove forests, which are important carbon sinks and protect against coastal erosion.
Environmental Safeguard	To mitigate environmental risks, these projects employ adaptive management practices that consider the ecological characteristics of the area, ensuring that reforestation efforts enhance biodiversity and do not introduce invasive species. Environmental impact assessments are conducted before project implementation.
Social Safeguard	Social safeguards involve ensuring that reforestation efforts do not negatively impact local communities' access to resources. Projects include community consultations and participatory planning processes to align project objectives with community needs. Additionally, projects provide training in sustainable livelihood practices that complement mangrove conservation, such as eco-friendly aquaculture.

Likewise, KCS has implemented specific safeguards to prevent or mitigate potential environmental and social risks. These safeguards are critical for ensuring the integrity of carbon offset projects and for maintaining the support and trust of local communities and stakeholders.

Question 3.10 <u>Sustainable development criteria</u>

Does the programme use sustainable development criteria? (*Paragraph 2.10*)	⊠ YES
Does the programme have provisions for monitoring, reporting and verification in accordance with these criteria? (*Paragraph 2.10*)	⊠ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

Projects are encouraged to carry out projects in consideration of environmental and social risks. A project proponent shall implement the relevant project according to the PDD of the approved PDD, comply with relevant laws and regulations, shall not compromise other sustainable development standards other than greenhouse gas reduction, and properly operate and manage target project. Please refer to the Project Management Requirements > Article 19 > 1 > ① to ⑤.

[Project Management Requirements]

Article 19   (Implementation of Project)

1.   A Project proponent shall implement the relevant project according to the project plan of the approved Project, comply with relevant laws and regulations, not impede other sustainable development standards other than GHG reduction, and appropriately operate and manage target facilities.

   ①   It shall comply with local, national, and international laws and regulations for the Projects not to cause harm.

   ②   It shall identify environmental and local community risks and impacts.

   ③   It shall explain in detail the methods and mechanisms for preventing, reducing, mitigating, or compensating for negative environmental and community impacts and the monitoring, management, and implementation methods.

   ④   It shall ensure that the rights of affected communities and other interested parties have been acknowledged and that they are fully and effectively engaged and consulted.

   ⑤   It shall put continuous communication and grievance resolution mechanisms in place and share the benefits of the Project with affected communities.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 19~~	Article 21	Click here

KCS actively supports recycling initiatives, including innovative projects like LD Carbon's waste tire pyrolysis and SK Chemical's depolymerization project, as shown below. These projects are pivotal in driving sustainable development goals, contributing significantly to the circular economy, preventing pollution, and generating economic benefits.

No.	Registered Date (Y-M-D)	Title	Direct weblinks (Links to KCS Registry)
KCS-P-23-006	2022-12-14	Project that uses pyrolysis refined oil and green carbon black produced by using waste tire pyrolysis technology as fuel and raw materials for naphtha cracking facilities or petrochemical products	Click here
KCS-P-23-001	2022-12-14	Greenhouse gas reduction project in the process of producing chemical materials using raw materials applied with waste plastic depolymerization technology	Click here

LD Carbon's approach to recycling waste tires through pyrolysis transforms a significant environmental problem into valuable resources. By converting end-of-life tires into pyrolysis oil and carbon black, LD Carbon not only prevents the emission of harmful pollutants but also contributes to the circular economy. This process reduces reliance on fossil fuels and virgin materials for oil and carbon black production, showcasing a practical application of circular principles in waste management. The initiative illustrates how recycling can extend the lifecycle of materials, minimizing waste and reducing the environmental footprint of tire production and disposal.

Similarly, SK Chemical's depolymerization project represents a significant leap toward sustainable plastic use and recycling. By breaking down complex polymers into their simpler monomers, SK Chemicals enables the creation of new polymers from recycled materials. This process is crucial for reducing plastic waste, preventing pollution, and conserving resources by ensuring plastics can be reused in a continuous loop. Depolymerization stands as a testament to the potential of chemical recycling to tackle the challenging issues of plastic waste, showcasing an innovative solution that aligns with the principles of the circular economy.

Together, these projects underscore the economic benefits of recycling and sustainable waste management. By transforming waste into resources, LDC and SK Chemical create new revenue streams and job opportunities,

contributing to economic growth while promoting environmental sustainability. Their efforts highlight the dual benefits of recycling: mitigating environmental impact and fostering economic development. Through initiatives like these, KCS is at the forefront of promoting recycling projects that embody the principles of sustainable development, showcasing the tangible benefits of transitioning towards a circular economy, preventing pollution, and realizing economic advantages.

Question 3.11 Avoidance of double counting, issuance and claiming

Does the programme use sustainable development criteria? (*Paragraph 2.10*)	☒ YES
Does the Programme provide information on how it addresses double counting, issuance and claiming in the context of evolving national and international regimes for carbon markets and emissions trading? *(Paragraph 2.11)*	☒ YES

Summarize and provide evidence of the information referred to above, including its availability to the public:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS has confirmation procedures to prevent redundancy in reduction, certification procedures, methodology applications, monitoring reports, validation, and verification reports, etc. for double counting, issuance, and claims. In case duplication is confirmed, there are procedures such as canceling certified reduction. Please refer to the Project Management Requirements > Article 7 > 1 > ⑧, Article 23 > 3 > ⑦, Article 25 > 1> ② and Article 28 > 1> ②.

[Project Management Requirements]
Article 7   (Project Conformity Review)

> 1. KCCI Center for Carbon Reduction Certification shall conduct a compliance review considering the following subparagraphs in conducting an evaluation pursuant to Article 6. At the time, KCCI Center for Carbon Reduction Certification may utilize external experts for the conformity review.
> ⑧   Duplicate registration of the Project

Article 23   (Verification of Project GHG Reductions)

> ⑦ The 3rd party auditor shall prepare a verification report by considering each of the following subparagraphs in evaluating the verification of Project GHG reductions. Duplicate certification of GHG reduction in other systems

Article 25   (Review of Project GHG Reduction Verification Result)

> 1. KCCI Center for Carbon Reduction Certification shall review the GHG reduction verification results considering the following matters to certify the Project GHG reductions.
> ②   Duplicate certification of GHG reduction in other systems and usage of the certified reduction

Article 28   (Revocation of Project GHG Reduction Certification)

1.   KCCI Center for Carbon Reduction Certification may revoke certification through deliberation by the Certification Committee if the certified reduction of Projects certified pursuant to Article 27 (1) falls under any of the following subparagraphs. However, the certification shall be revoked if it falls under subparagraph 1.

②   Where the Project GHG reduction is used in duplicate in other systems or projects

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

  As the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	Article 7		Click here
	~~Article 23~~	Article 25	
	~~Article 25~~	Article 27	
	~~Article 28~~	Article 30	

  KCS Protocol and double counting policy for Issuance and withdrawal of credits establishes KCS's issuance, withdrawal, and registration procedures to ensure that the credit has not been issued pursuant to another program, registration, or standard.

  To avoid double counting, project participants must declare an avoidance of double counting. Then, during the validation process, the KCCI center must check the database of registered projects of other schemes to ensure that the project is not double-registered.

  To prevent double issuance, the registrar will issue KCCI Certified Reductions (KCR) credits to your account upon request from the KCCI Center. Information such as project name, issuance period, carbon credit amount, is recorded in 'Credit History' if there are irregularities in credit issuance, and the registration agency notifies this and cross-checks with KCCI center.

  Not to allow double claiming, KCCI center will issue a cancellation notice for credit and credits have been transferred to the cancellation account which cannot be reversed. This is a mechanisms under KCS Programme to prevent double counting and ensure the correct application of adjustments in the context of Article 6 of the Paris Agreement.

PART 4: Carbon Offset Credit Integrity Assessment Criteria

Note—where "evidence" is requested throughout *Part 3* and *Part 4*, the Programme should provide web links to documentation. If that is not possible, then the programme may provide evidence of programme procedures directly in the text boxes provided (by copying/pasting the relevant provisions) and/or by attached supporting documentation, as recommended in "SECTION II: INSTRUCTIONS—*Form Completion*".

Note—"*Paragraph X.X*" in this form refers to corresponding paragraph(s) in <u>Appendix A</u> "*<u>Supplementary Information for Assessment of Emissions Unit Programmes</u>*".

Note—Where the programme has any plans to revise the programme (e.g., its policies, procedures, measures, tracking systems, governance or legal arrangements), including to enhance consistency with a given criterion or guideline, provide the following information in response to any and all relevant form question(s):

Article 4	Proposed revision(s);
Article 5	Process and proposed timeline to develop and implement the proposed revision(s);
Article 6	Process and timeline for external communication and implementation of the revision(s).

Question 4.1 <u>Are additional</u>

Do the Programme's carbon offsets… (*Paragraph 3.1*)	
a) represent greenhouse gas emissions reductions or carbon sequestration or removals that exceed any greenhouse gas reduction or removals required by law, regulation, or legally binding mandate?	☒ YES
b) exceed any greenhouse gas reductions or removals that would otherwise occur in a conservative, business-as-usual scenario?	☒ YES

Summarize and provide evidence of the policies and procedures referred to in a) and b), including their availability to the public:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS defines the standard principles, including 'legal and institutional additionality', which is a common principle of global GHG reduction accreditation and certification systems.

b) In addition, projects must satisfy additionality that goes beyond general practice. Please refer to the KCCI Carbon Standard > Article 5 > 2 > ① to ② and Project Management Requirements > Article 2 > 2 > ② to ③.

[KCCI Carbon Standard]
Article 5   (Standard Principles)

> 2. Additionality

① Additionality beyond legal and institutional regulations

- Projects shall be GHG Projects involving additional efforts other than the mandatory proje ct activities to fulfill the regulations of all current laws and notifications.

- However, the effects exceeding that of fulfilling the strictest legal requirements may be c onsidered as additional efforts.

- Projects recommended by government institutions such as central ministries or local gove rnments through subsidization as necessary for GHG reduction shall be deemed to satisfy legal additionality as activities based on voluntary participation, not obligations.

- The negative environmental impact caused by the relevant GHG Project must not exceed the legal regulatory level and not have a negative impact on the local community.

② Additionality beyond the general practice

- The evaluation criteria beyond the general practice within the identical or similar business type or the improvement effect compared to the existing reduction shall be considered for establishing the baseline.

- Evaluation methods such as basic unit before and after the project, LCA, modeling such as multiple regression analysis, and standard baselines may be applied and assumptions an d figures ensuring that GHG reduction or removal are not overestimated shall be used wh en applying the method.

- Unless otherwise specified in the methodology, the baseline set at the time of methodolo gy registration is fixed for the crediting period (5 years).

[Project Management Requirements]
Article 2 (Approval Subject)

2. KCCI Center for Carbon Reduction Certification may approve a project subject to approval as a project if it satisfies the criteria in each of the following subparagraphs.
   ② Project GHG reduction shall not have occurred while fulfilling mandatory matters under other laws and regulations. However, it is possible to apply cases that occurred while implementing the mandatory requirements in excess.
   ③ Reductions shall occur through additional actions and measures beyond those that can be implemented under normal business conditions.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):
a) Additionality defined in the KCS standard must be considered at the legal, institutional, and universal technical level and refers to additional efforts beyond activities that can be carried out under ordinary business conditions

to artificially reduce carbon emissions. In this regard, under KCS Programme, reduction activities that are "beyond the activities that can be carried out under ordinary business conditions" and "above the universal level" mean that the priority of a company's reduction implementation is social responsibility rather than the "pursuit of profit," which is the reason for the existence of a company as an economic entity. This means that it must be proven that carbon reduction or offset activities are voluntarily carried out to protect the environment.

b) The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 5, Paragraph 2)	Click here
Project Management Requirements of KCS ver.1.1 (Article 2, Paragraph 2)	Click here

Is additionality and baseline-setting… (*Paragraph 3.1*)	
a) assessed by an accredited and independent third-party verification entity?	☒ YES
b) reviewed by the programme?	☒ YES

Summarize and provide evidence of the policies and procedures referred to in a) and b), including their availability to the public:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS requires independent 3rd-party validation for registering the methodology and PDD, and verification for certifying the monitoring report. Please refer to the KCCI Carbon Standard > Article 5 > 4 > ① and ③.

[KCCI Carbon Standard]
Article 5   (Standard Principles)

4. Verifiability

① Validation & Verification
Validation & Verification by an independent 3rd party auditor is necessary apply for methodology and PDD registration or to submit reductions monitoring reports according to KCS.

③ Tasks of a 3rd party auditor
The 3rd party auditor verifies the methodology upon its registration, revision and renewal, the project plan upon the registration, revision, and renewal of the Project, and the GHG reductions of the registered projects, and implements necessary measures, such as requests

for revision or supplementation of verification, upon certifying the GHG reductions.

b) When validating the methodology, additionality and baseline setting are evaluated for validity. Please refer to the Project Management Requirements > Article 7 > 1 > ① to ⑨.

[Project Management Requirements]
Article 7   (Project Conformity Review)

1.   KCCI Center for Carbon Reduction Certification shall conduct a compliance review considering the following subparagraphs in conducting an evaluation pursuant to Article 6. At the time, KCCI Center for Carbon Reduction Certification may utilize external experts for the conformity review.
    ①   Compliance with the general requirements of the Project
    ②   Adequacy of the applied methodology
    ③   Adequacy of the baseline scenario
    ④   Adequacy of the additionality demonstration
    ⑤   Adequacy of the emission calculation method
    ⑥   Adequacy of the monitoring plan
    ⑦   Adequacy of the certification crediting period
    ⑧   Duplicate registration of the Project
    ⑨   Adequacy of corrective/supplementary measures if any

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a) Article 5 of the KCS Program Standards states that all methodologies and projects must be verified and verified by accredited independent 3rd party auditors. The KCS standard provides a detailed set of requirements that 3rd party accredited auditors must follow to ensure that KCS criteria are met in accordance with the requirements of ISO14065 and IAF MD 6. The additionality and baseline setting of project activities will be assessed by 3rd party auditors in accordance with the requirements set by the KCCI Center Steering Committee. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 5)	Click here

b) Once validation is completed, in accordance with the Project Management Requirements, the Secretariat of KCCI center conducts completeness checking on the carbon reductions (including baseline setting directly related to additionality) and the Validation Report to ensure compliance with KCS Requirements, and then, additional elements are reviewed by the Certification Committee to ensure compliance with KCS requirements. The full

contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Project Management Requirements of KCS ver. 1.1 (Article 7)	[Click here](#)

In addition to this, as per Article 7, Paragraph 1 of Methodology Management Requirements, the KCCI center may assess the additionality of the project by revising or canceling the approved methodology in case the additionality of the approved methodology is not valid and no longer suitable for local and global situations due to changes in conditions such as revisions to laws and technological developments. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Methodology Management Requirements of KCS ver. 1.1 (Article 7, Paragraph 1)	[Click here](#)

Identify one or more of the methods below that the programme has procedures in place to ensure, and to support activities to analyze and demonstrate, that credited mitigation is additional; which can be applied at the project- and/or programme-level: (*Paragraphs 3.1, and 3.1.2 - 3.1.3*)

☒ Barrier analysis
☒ Common practice / market penetration analysis
☐ Investment, cost, or other financial analysis
☒ Performance standards / benchmarks
☒ Legal or regulatory additionality analysis (as defined in *Paragraph 3.1*)

Summarize and provide evidence of the policies and procedures referred to in the above list, including describing any/all additionality analyses and test types that are utilized under the programme:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS defines the standard principles including 'additionality', which is a common principle of global greenhouse gas reduction verification and certification systems, and the legal and institutional additionality and technical level must be beyond general practice. Please refer to the KCCI Carbon Standard > Article 5 > 2 > ① to ②.

[KCCI Carbon Standard]

Article 5   (Standard Principles)

    2.   Additionality

① Additionality beyond legal and institutional regulations

- Projects shall be GHG Projects involving additional efforts other than the mandatory project activities to fulfill the regulations of all current laws and notifications.

- However, the effects exceeding that of fulfilling the strictest legal requirements may be considered as additional efforts.

- Projects recommended by government institutions such as central ministries or local governments through subsidization as necessary for GHG reduction shall be deemed to satisfy legal additionality as activities based on voluntary participation, not obligations.

- The negative environmental impact caused by the relevant GHG Project must not exceed the legal regulatory level and not have a negative impact on the local community.

② Additionality beyond the general practice

- The evaluation criteria beyond the general practice within the identical or similar business type or the improvement effect compared to the existing project performance shall be considered for establishing the baseline.

- Evaluation methods such as basic unit before and after the project, LCA, modeling such as multiple regression analysis, and standard baselines may be applied and assumptions and figures ensuring that GHG reduction or removal are not overestimated shall be used when applying the method.

- Unless otherwise specified in the methodology, the baseline set at the time of methodology registration is fixed for the crediting period (5 years).

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 5, Paragraph 2, Subparagraph 1 and 2)	Click here

In addition to this, the following diagram demonstrates how the project is to be additional under the KCS programme, as shown below.

The KCCI Carbon Standard KCS

Approaches for the demonstration to assess the additionality

Step 1. Regulation analysis

Identification of alternatives of the project activity consistent with mandatory laws and regulations, including the aspect of environment

Yes   No

To figure out alternatives to the proposed project to demonstrate a legal alternative in case the proposed project were not implemented

Step 2. Common practice analysis

- Can't similar activities be observed?
- If similar activities are observed, are they essential distinctions between the proposed project activity and similar activities that can be explained?

Yes   No

To analyze current business situation of relevant project types

Step 3. Barrier analysis

- Is there at least one barrier preventing the implementation of the proposed project activity without KCS
  and
- Is at least one alternative scenario, other than KCS proposed project activity, not prevented by any of the identified barriers?

Yes   No

To qualitatively and quantitatively analyze economic, technological and social barriers

Project is additional

Project is not additional

If the Programme provides for the use of method(s) not listed above, describe the alternative procedures and how they ensure that activities are additional: (*Paragraph 3.1*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:
Not applicable on this inquiry.

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):
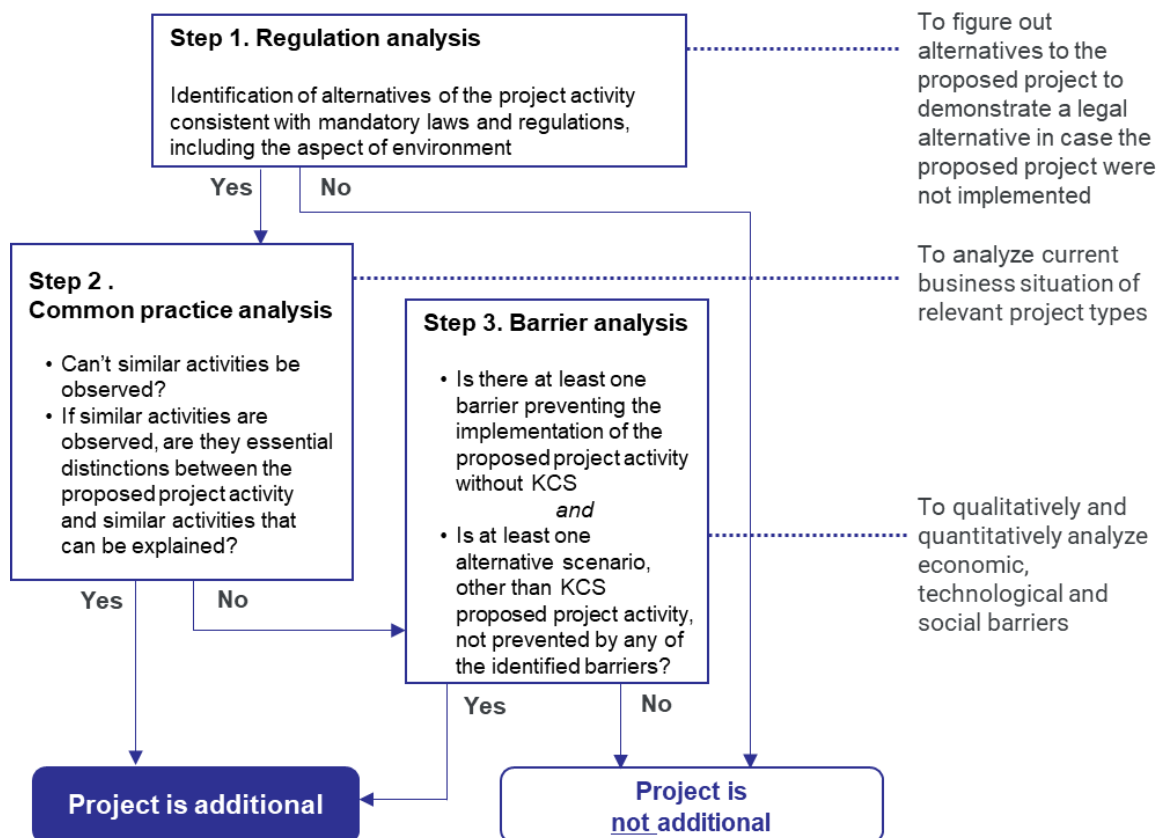N/A

If the programme designates certain activities as automatically additional (e.g., through a "positive list" of eligible project types), does the programme provide clear evidence on how the activity was determined to be additional? (*Paragraph 3.1*)	☐ YES

Summarize and provide evidence of the policies and procedures for determining the automatic additionality of activities, including a) the criteria used to determine additionality and b) their availability to the public:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) In accordance with Article 8 of Project Management Requirements, KCS provides criteria for evaluating the additionality beyond legal and institutional regulations and the technology must go beyond general practice.

b) KCS defines additionality as one of the standard principles for the issuance of certification results, and when all certification results are issued, a 3rd party auditor evaluates whether or not they have been met, and this is open to the public on Centero website at http://kcs.centero.kr. Please refer to the Project Management Requirements > Article 8 > 1 > ① to ②.

[Project Management Requirements]
Article 8 (Additionality Evaluation)

1. In the evaluation of the appropriateness of additionality demonstration under Article 7 (1) 4 (hereafter "additionality evaluation"), the following items shall be evaluated.

   ① Additionality beyond legal and institutional regulations

   − Projects shall be GHG Projects involving additional efforts other than the mandatory project activities to fulfill the regulations of all current laws and notifications.

   − However, the effects exceeding that of fulfilling the strictest legal requirements may be considered as additional efforts.

   − Projects recommended by government institutions such as central ministries or local governments through subsidization as necessary for GHG reduction shall be deemed to satisfy legal additionality as activities based on voluntary participation, not obligations.

   − The negative environmental impact caused by the relevant GHG Project must not exceed the legal regulatory level and not have a negative impact on the local community.

   ② Additionality beyond the general practice

   − The evaluation criteria beyond the general practice within the identical or similar business type or the improvement effect compared to the existing reduction shall be considered for establishing the baseline.

   − Evaluation methods such as basic unit before and after the project, LCA, modeling such as multiple regression analysis, and standard baselines may be applied and assumptions and figures ensuring that GHG reduction or removal are not overestimated shall be used

when applying the method.

- Unless otherwise specified in the methodology, the baseline set at the time of methodol ogy registration is fixed for the crediting period (5 years).

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

   Please note that KCCI center wrote an incorrect answer to the above question in the previous application in 2023, by interpreting the context of the question. The following is the correct response to the question.

   KCS has no positive list or exemption to be automatically additional. All methodologies and projects should be validated and verified their additionality by a 3rd party auditor.

Explain how the procedures described under Question 4.1 provide a reasonable assurance that the mitigation would not have occurred in the absence of the offset programme: (*Paragraph 3.1*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS evaluates the appropriateness of setting a baseline scenario in terms of methodology and defines greenhouse gas emissions that may occur if the project does not exist. The 3rd party auditor validates baseline scenario, and KCCI Center for Carbon Reduction Certification evaluates the final suitability. Please refer to the Project Management Requirements > Article 8 > ① to ②.

[Project Management Requirements]
Article 8   (Additionality Evaluation)

   1.   In the evaluation of the appropriateness of additionality demonstration under Article 7 (1) 4 (hereafter "additionality evaluation"), the following items shall be evaluated.

   ①   Additionality beyond legal and institutional regulations

   - Projects shall be GHG Projects involving additional efforts other than the mandatory projec t activities to fulfill the regulations of all current laws and notifications.

   - However, the effects exceeding that of fulfilling the strictest legal requirements may be con sidered as additional efforts.

   - Projects recommended by government institutions such as central ministries or local gover nments through subsidization as necessary for GHG reduction shall be deemed to satisfy le gal additionality as activities based on voluntary participation, not obligations.

   - The negative environmental impact caused by the relevant GHG Project must not exceed t

he legal regulatory level and not have a negative impact on the local community.

② Additionality beyond the general practice

    − The evaluation criteria beyond the general practice within the identical or similar business t ype or the improvement effect compared to the existing project performance shall be cons idered for establishing the baseline.

    − Evaluation methods such as basic unit before and after the project, LCA, modeling such as multiple regression analysis, and standard baselines may be applied and assumptions and fi gures ensuring that GHG reduction or removal are not overestimated shall be used when a pplying the method.

    − Unless otherwise specified in the methodology, the baseline set at the time of methodolog y registration is fixed for the crediting period (5 years).

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Project Management Requirement of KCS ver. 1.1 (Article 8, Paragraph 1)	Click here

Basically, as the very first certification entity in Korea, the non-profit Korea Chamber of Commerce and Industry (KCCI) encourages all the society to voluntarily reduce carbon emissions and has issued 1,177,924 KCRs since 2023, as of February 2024, as shown on the KCS registry at http://kcs.centero.kr

Provided that there was no KCS Program with its frameworks, the above amount of carbon reductions with additionality could not be measured or occurred.

Meanwhile, under the KCS Programme, the additionality of a project must satisfy legal and institutional additionality criteria. 1) The proposed project must not be restricted by current laws and institutions, and the content of the project must not be mandated by current laws and institutions. However, projects recommended by central government agencies or local governments for greenhouse gas reduction can be considered as satisfying legal additionality if they are voluntary activities not mandated by law. 2) The negative environmental impact caused by the project must not exceed the level of legal regulation. 3) The project must not have a negative impact on the local community.

KCCI center is considering finding a way to additional carbon reductions through a full-fledged carbon offset Programme of KCS with reliable certification, strengthening cooperation with the Korean government, such as

MOU agreement with the Ministry of Environment on July 13, 2023, as the article shown below:
https://www.koreatimes.co.kr/www/biz/2024/03/602_355404.html

Question 4.2 <u>Are based on a realistic and credible baseline</u>

Are procedures in place to… (*Paragraph 3.2*)	
a) issue emissions units against realistic, defensible, and conservative baseline estimations of emissions?	☒ YES
b) publicly disclose baselines and underlying assumptions?	☒ YES

Summarize and provide evidence of the policies and procedures referred to in a) and b), including how "*conservativeness*" of baselines and underlying assumptions is defined and ensured:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS requires certification results to be issued when the baseline scenario of the Project has additionality beyond legal and institutional regulations and technological additionality that goes beyond general practice. When establishing a baseline, evaluation standards beyond general practice should be considered, and conservative standards are set to re-evaluate and adjust the baseline scenario based on the technical level at that time every five years. Please refer to the KCCI Carbon Standard > Article 5 > 2 > ②

[KCCI Carbon Standard]
Article 5   (Standard Principles)

  2. Additionality

   ② Additionality beyond the general practice

    − The evaluation criteria beyond the general practice within the identical or similar business type or the improvement effect compared to the existing project performance shall be considered for establishing the baseline.

    − Evaluation methods such as basic unit before and after the project, LCA, modeling such as multiple regression analysis, and standard baselines may be applied and assumptions and figures ensuring that GHG reduction or removal are not overestimated shall be used when applying the method.

    − Unless otherwise specified in the methodology, the baseline set at the time of methodology registration is fixed for the crediting period (5 years).

b) Designing the methodology, a baseline scenario should be established, and all the information on methodology can be confirmed through Centero system at http://kcs.centero.kr as demonstration shown below.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previos application or the Council's approval of programme eligibility (*if none, "N/A"*):

The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 5, Paragraph 2)	Click here

The final Document of each KCS Program, along with the report to validate the baseline estimations of emissions realistic, defensible, and conservative are made public on the KCS registry. Unlike the last year, all contents on the KCS registry are fully translated in English and easily available at the KCS registry and each of them has own their weblinks as listed below.

References	Direct weblinks (Links to KCS Registry)
List of KCS Methodologies	Click here
List of KCS Projects	Click here
List of Monitoring Reports of KCS Project implementation	Click here

Are procedures in place to ensure that *methods of developing baselines*, including modelling, benchmarking or the use of historical data, use assumptions, methodologies, and values do not over-estimate mitigation from an activity? (*Paragraph 3.2.2*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS can use modeling, standard baseline, basic unit, etc. when setting up a baseline scenario, but when applying

the method, assumptions and figures must ensure that greenhouse gas reduction or removal are not overestimated. The validation and verification by the 3rd party auditor and the suitability evaluation of KCCI Center for Carbon Reduction Certification for the baseline scenario are carried out. Please refer to the KCCI Carbon Standard > Article 5 > 2 > ②.

[KCCI Carbon Standard]
Article 5   (Standard Principles)

2. Additionality

② Additionality beyond the general practice

- The evaluation criteria beyond the general practice within the identical or similar business type or the improvement effect compared to the existing project performance shall be considered for establishing the baseline.

- Evaluation methods such as basic unit before and after the project, LCA, modeling such as multiple regression analysis, and standard baselines may be applied and assumptions and figures ensuring that GHG reduction or removal are not overestimated shall be used when applying the method.

- Unless otherwise specified in the methodology, the baseline set at the time of methodology registration is fixed for the crediting period (5 years).

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

  The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 5, Paragraph 2)	Click here

  Of the four principles of KCS Programme, 'real' stipulates that boundaries and emission sources must be confirmed and quantified. Article 22 of the KCS Project Management Requirement establishes principles on the objective verification to calculate the volume of reductions with consistency, reproducibility, transparency, and accuracy through measurement with minimal uncertainty to take a conservative approach based on scientific methods in compliance with ISO 14064, 14040 and 14020. The full contents mentioned above can be found in the Project Management Requirements, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Project Management Requirement of KCS ver. 1.1 (Article 22)	Click here

Are procedures in place for activities to respond, as appropriate, to changing baseline conditions that were not expected at the time of registration? (*Paragraph 3.2.3*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS requires the methodology to be revised in the following cases; If new scientific grounds are found that the certified reduction is overestimated or underestimated when the existing approval methodology is applied, or the existing approval methodology is no longer suitable for domestic and global circumstances due to revisions in laws and developments in technology, or when the conditions of the baseline scenario change. Please refer to the Methodology Management Requirements > Article 6 > 1 > ① to ⑤.

[Methodology Management Requirements]
Article 6   (Methodology Revision)

1. KCCI Center for Carbon Reduction Certification may revise the approval methodology in the following cases.
   ① Where 5 years have elapsed since the registration of the existing approval methodology, requiring renewal
   ② Where new scientific evidence is discovered that the reductions from applying the existing approval methodology is presumed to be overestimated or underestimated
   ③ Where the existing approval methodology is no longer adequate for domestic and overseas circumstances due to changes in conditions e.g. revision of laws, technological development, etc.
   ④ Where the terms or formulas of the existing approval methodology found to be inconsistent, or have errors or ambiguities
   ⑤ Where it is necessary to simplify or clarify the existing approval methodology for the users to use conveniently

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As some part of the ver1.0 of KCS standard and requirements were revised to KCS ver1.1 and came into effect on November 24, 2023, according to the approval of the Steering Committee, the previous article or paragraph numbers on the above responses were sequentially changed, as shown below. Obviously, the full contents of KCS ver1.1 can be found in the KCS Registry, regardless of whether the user is logged in or not:

Methodology Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 6~~	Article 7	Click here

Question 4.3 Are quantified, monitored, reported, and verified

Are procedures in place to ensure that…	
a) emissions units are based on accurate measurements and valid quantification methods/protocols? (*Paragraph 3.3*)	☒ YES
b) validation occurs prior to or in tandem with verification? (*Paragraph 3.3.2*)	☒ YES
c) the results of validation and verification are made publicly available? (*Paragraph 3.3.2*)	☒ YES
d) monitoring, measuring, and reporting of both activities and the resulting mitigation is conducted at *specified intervals* throughout the duration of the crediting period? (*Paragraph 3.3*)	☒ YES
e) mitigation is measured and verified by an accredited and independent third-party verification entity? (*Paragraph 3.3*)	☒ YES
f) *ex-post* verification of mitigation is required in advance of issuance of emissions units? (*Paragraph 3.3*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to in a) through f):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) There is a standard for quantification according to Article 5 of the carbon standard. Please refer to the KCCI Carbon Standard > Article 5 > 1 > ②.

[KCCI Carbon Standard]
Article 5   (Standard Principles)

    1.   Reality

      ② Quantification
       − GHG reductions, etc., shall be based on reliability and ensure reproducibility that allows repeated and identical measurement.

b) The Secretariat reviews and asks for corrections after validation or verification by 3rd party auditor and before submitted to the certification committee. Please refer to the Project Management Requirements >

Article 25 > 1 > ① to ⑤.

[Project Management Requirements]
Article 25 (Review of Project GHG Reduction Verification Result)

1. KCCI Center for Carbon Reduction Certification shall review the GHG reduction verification results considering the following matters to certify the Project GHG reductions.
   ① Consistency of documents and information
   ② Duplicate certification of GHG reduction in other systems and usage of the certification results
   ③ Adequacy of corrective/supplementary measures and verification conclusions
   ④ Eligibility of the verification team
   ⑤ Compliance with the verification procedure details under Articles 22 and 23

c) KCS transparently discloses the results of the validation and verification by a 3rd party auditor and the conformity review by the KCCI Center for Carbon Reduction Certification on Centero system at http://kcs.centero.kr. The center secures reliability by transparently disclosing all standard documents, procedures, and approval results, excluding business secrets of projects, to listen to and reflect stakeholders' opinions. Please refer to the Registry Management Requirements > Article 3 > 1 to 2.

[Registry Management Requirements]
Article 3 (Management and Operation of Registry)

1. KCCI Center for Carbon Reduction Certification shall manage the registry to ensure availability and confidentiality, and manage the issuance, transfer, and disposal of Project certification results in the form of an electronic database.
2. Notwithstanding Paragraph 1, KCCI Center for Carbon Reduction Certification may disclose the operation of the registry and the following information registered in the registry to the outside.
   ① Methodology
   ② List and general information of projects applied or registered
   ③ Certified reduction

d) In accordance with the Project Management Requirements, the crediting period is 5 years(15 years for forest sector) and can be extended 2 times. Project proponent can set the monitoring period up to two years. Please refer to the Project Management Requirements > Article 5 > 2 and Article 21 > 2.

[Project Management Requirements]
Article 5   (Certification Crediting Period)

2. The certification crediting period under Paragraph 1 shall be within 5 years from the date the Project is approved pursuant to Article 10, but the extension shall be limited to two times. However, the criteria and principles according to KCS must be re-evaluated in case of

extension.

Article 21   (Preparation of Project Monitoring Report)

  2. A project proponent may set the monitoring period up to two years when preparing a project monitoring report under paragraph (1).

e) KCS requires verification through an independent 3rd-party auditor that meets at least one of the following requirements: Institutions registered as project validation and verification organizations in local or global programs; Organizations that meet relevant international standards such as ISO 14065: 2013 and IAF MD 6: 2014 and have individual auditors qualified to evaluate projects. Please refer to the KCCI Carbon Standard > Article 5 > 4 > ① to ②.

[KCCI Carbon Standard]
Article 5   (Standard Principles)

  4. Verifiability

   ① Verification

    – Verification by an independent 3rd party auditor is necessary apply for methodology and project plan registration or to submit reductions monitoring reports according to KCS.

   ② Eligibility of 3rd party auditor

    – The 3rd party auditor must be registered as a 3rd party auditor in domestic and international reduction systems or satisfy relevant international standards such as ISO 14065: 2013 and IAF MD 6: 2014, and have auditors qualified for evaluating Projects.

    – The 3rd party auditor must have a Project evaluation process and auditor management system, etc., and be able to provide them transparently.

f) KCS requires monitoring report to be verified by a 3rd party auditor for issuance of certification results. Please refer to the Project Management Requirements > Article 24 > 1 > ③.

[Project Management Requirements]
Article 24   (Application for Certification of Project GHG Reductions)

  1. KCCI Center for Carbon Reduction Certification may review and certify the Project GHG reductions if the project proponent applies for certification of the Project GHG reductions by submitting the following documents in case the verification result for the GHG reductions under Article 23 is evaluated as suitable. However, it is possible to apply for certification of reduction amount if the amount of GHG reduction is more than 1 CO2 equivalent ton and reduction is certified in integer units after truncating the decimal point.

③ GHG reduction verification report according to Document No. 4-8

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a, e) The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 5)	Click here

b) As some part of the ver1.0 of KCS standard and requirements were revised to KCS ver1.1 and came into effect on November 24, 2023, according to the approval of the Steering Committee, the previous article or paragraph numbers on the above responses were sequentially changed, as shown below. Obviously, the full contents of KCS ver1.1 can be found in the KCS Registry, regardless of whether the user is logged in or not. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 25~~	Article 27	Click here

c) The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
Registry Management Requirements of KCS ver. 1.1 (Article 3)	Click here

d) As mentioned earlier, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	Article 5		Click here
	~~Article 21~~	Article 23	

f) As same as the above response, the previous article or paragraph numbers were sequentially changed due to

the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 24~~	Article 26	[Click here]()

Supplementary materials	KCS Docs and Guidelines		Direct weblinks (Links to KCS Registry)
	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	
KCCI Certified Reduction Verification Report	~~Document 4-8~~	Document 4-7	[Click here]()

Are provisions in place… (*Paragraph 3.3.3*)	
a) to manage and/or prevent conflicts of interest between accredited third-party(ies) performing the validation and/or verification procedures, and the programme and the activities it supports?	☒ YES
b) requiring accredited third-party(ies) to disclose whether they or any of their family members are dealing in, promoting, or otherwise have a fiduciary relationship with anyone promoting or dealing in, the offset credits being evaluated?	☒ YES
c) to address and isolate such conflicts, should they arise?	☒ YES

Summarize and provide evidence of the policies and procedures referred to in a) through c):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) 3rd party auditors are separate institutions that runs independent of the KCCI Center for Carbon Reduction Certification. All individual 3rd party auditors sign to declare that they do not have any kind of conflicts of interest with the project every time before validation or verification starts.

b) 3rd party auditors are responsible for such conflicts, but KCS has a buffer account for CORSIA eligible units to temporarily deal with such an emergency issue.

c) 3rd party auditors are required to sign the conflicts of interest form and required to disclose this form. Please refer to KCCI Carbon Standard > Article 5 > 4 > ① to ④.

[KCCI Carbon Standard]
Article 5   (Standard Principles)

4. Verifiability

① Validation & Verification

- Validation & Verification by an independent 3rd party auditor is necessary apply for methodology and project plan registration or to submit reductions monitoring reports according to KCS.

② Eligibility of 3rd party auditor

- The 3rd party auditor must be registered in domestic and international reduction systems or satisfy relevant international standards such as ISO 14065: 2013 and IAF MD 6: 2014, and have auditors qualified for evaluating Projects.
- The 3rd party auditor must have a project evaluation process and auditor management system, etc., and be able to provide them transparently.

③ Tasks of a 3rd party auditor

- The 3rd party auditor verifies the methodology upon its registration, revision and renewal, the project plan upon the registration, revision, and renewal of the project, and the GHG reductions of the registered projects, and implements necessary measures, such as requests for revision or supplementation of verification, upon certifying the GHG reductions.

④ Assurance level

- While it is recommended to obtain a reasonable guarantee from a 3rd party auditor for the GHG reduction or removal amount, limited guarantees are also allowed.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS Registry)
KCCI Carbon Standard of KCS ver. 1.1 (Article 5)	Click here

Under the KCS program, third-party auditor with interests cannot participate in validation and verification, and KCCI does not designate a specific verification institution, but only allows any entity according to global standards such as ISO 14065 and IAF MD 6 to participate in validation and verification. In particular in Korea, the National Institute of Environmental Research (NIER) specifies a 3rd party auditor that meet ISO 14065:2020 and ISO/IEC 17029:2019 standards, which are also publicly disclosed in the KCS registry, as below.

References	Direct weblinks
Relevant Requirements under the KCS (Article 5 of KCCI Carbon Standard ver1.1)	Click here
List of 3rd party auditors (in Korea, posted in the KCS registry)	Click here
Website of National Institute of Environmental Research	Click here

Are procedures in place requiring that… (*Paragraph 3.3.4*)	
a) the renewal of any activity at the end of its crediting period includes a reevaluation of its baselines, and procedures and assumptions for quantifying, monitoring, and verifying mitigation, including the baseline scenario?	⊠ YES
b) the same procedures apply to activities that wish to undergo verification but have not done so within the programme's allowable number of years between verification events?	⊠ YES

Summarize and provide evidence of the policies and procedures referred to in a) and b), including identifying the allowable number of years between verification events:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) If the project is renewed due to the expiration of the validity, the criteria and principles are re-evaluated.

b) A project proponent can set a monitoring period up to two years when preparing for a monitoring report, and if it is not submitted within the deadline, the amount of the reduction by the project cannot be certified. However, exceptions are made when the project proponent submits a valid reason for non-submission of the report to the KCCI Center for Carbon Reduction Certification within 30 days after the deadline for submitting the monitoring report and is approved. Please refer to the Project Management Requirements > Article 5 > 2 and 13 > 1 > ① to ⑥ and 21 > 2 to 5.

[Project Management Requirements]
Article 5   (Certification Crediting Period)

2.   The certification crediting period under Paragraph 1 shall be within 5 years from the date the Project is approved pursuant to Article 10, but the extension shall be limited to two times. However, the criteria and principles according to KCS must be re-evaluated in case of extension.

Article 13   (Examination for Certification Crediting Period Renewal)

1.   KCCI Center for Carbon Reduction Certification shall consider Article 7 (1) and the following subparagraphs in evaluating the application for the certification crediting period renewal received pursuant to Article 12. At the time, KCCI Center for Carbon Reduction Certification may utilize external experts for the evaluation.
①   Whether the latest version of the methodology applied in the registered PDD is applied
②   Whether the latest version of the replaced methodology is applied if the methodology applied in the registered PDD has been withdrawn after registration of the Project and

replaced with a new methodology
③ If the case does not fall under subparagraphs 1 and 2 due to changes in the content and baseline of the Project, apply a different approved methodology or apply for revision of the approved methodology
④ Validity of existing data and variables applied in the registered PDD
⑤ Changes in relevant laws and regulations after registration of Projects
⑥ Changes in business conditions after registration of Projects

Article 21 (Preparation of Project Monitoring Report)

2. A Project proponent may set the monitoring period up to two years when preparing a Project monitoring report under paragraph (1).
3. Notwithstanding Paragraph 2, the monitoring period shall be applied differently in the case of Projects falling under each of the following subparagraphs.
   ① Forest sector: Up to 5 years
4. The Project proponent shall submit the Project monitoring report and verification report of the 3rd party auditor to KCCI Center for Carbon Reduction Certification within 12 months after the end of the monitoring period.
5. KCCI Center for Carbon Reduction Certification cannot certify the reductions of the relevant Project if the Project proponent does not submit the Project monitoring report pursuant to Paragraph 2. However, approvals obtained by the Project proponent submitting a justifiable cause for non-submission of the report within 30 days after the deadline for submitting the Project monitoring report to KCCI Center for Carbon Reduction Certification shall constitute an exception.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As some part of the ver1.0 of KCS standard and requirements were revised to KCS ver1.1, the previous article or paragraph numbers on the above responses were sequentially changed, as shown below. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	Article 5		Click here
	~~Article 13~~	Article 15	
	~~Article 21~~	Article 23	

Are procedures in place to transparently identify units that are issued *ex ante* and thus ineligible for use in the CORSIA? (*Paragraph 3.3.5*)	☐ YES

Provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:
Not applicable on this inquiry. KCS does not issue ex ante credits.

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):
Currently, KCCI center operates only the KCS programme which requires ex-post verification of mitigation in advance of issuance of emissions units. However, KCCI center is considering launching another program for ex ante issuance of emissions units named EPC or Environmental Protection Credit, by the end of 2024.

Question 4.4 <u>Have a clear and transparent chain of custody</u>

SECTION III, Part 3.4—Identification and tracking includes questions related to this criterion. No additional information is requested here.

Question 4.5 <u>Represent permanent emissions reductions</u>

List all emissions sectors (if possible, activity types) supported by the Programme that present a potential risk of reversal of emissions reductions, avoidance, or carbon sequestration:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:
The forest sector and agriculture sector are the ones that present a potential risk of reversal..
Please refer to the Project Management Requirements > Article 3 > 2 > ① to ⑮.

[Project Management Requirements]

Article 3 (Scale and Classification of Projects Subject to Approval)

2. Projects subject to approval shall be classified according to the following subparagraphs.
    ① Energy industry
    ② Energy supply
    ③ Energy demand
    ④ Manufacturing industry
    ⑤ Chemical industry
    ⑥ Construction

⑦ Transportation

⑧ Mining · Minerals

⑨ Metal industry

⑩ Fugitive emissions from fuel

⑪ Fugitive emissions from production and consumption of carbon halide and sulfur hexafluoride, fugitive emissions from production and consumption of nitrogen trifluoride

⑫ Waste handling and disposal

⑬ Forest

⑭ Agriculture

⑮ Carbon dioxide capture and storage or reuse

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

Of which 15 emission sectors under the KCS programme, the following emission sectors and activity types present potential reversal risks: Forest, Agriculture, Carbon dioxide capture and storage or reuse. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS registry)
Project Management Requirements of KCS ver. 1.1 (Article 3)	Click here
Reversal Risk Analysis and Buffer Operation Criteria (Guidelines 4-3)	Click here

What is the minimum scale of reversal for which the Programme provisions or measures require a response? (Quantify if possible)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS requires reporting and compensation for reversals of any scales KCS, and no limits for minimum scale. Please refer to the Project Management Requirements > Article 3 > 1 and Guideline 4-2. Reversal Risk Analysis and Buffer Account Operation Criteria.

[Project Management Requirements]

Article 3 (Scale and Classification of Projects Subject to Approval)

1. Projects subject to approval shall not limit the minimum GHG reduction amount.

The above information and Guideline 4-2. Reversal Risk Analysis and Buffer Account Operation Criteria can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

There are no minimum standards for reporting and compensating for inversions. The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS registry)
Project Management Requirements of KCS ver. 1.1 (Article 3)	Click here

KCS requires reporting in accordance with Guideline 4-3: Reversal Risk Analysis and Deposit Operation Standards, 1>③,④,⑤" and provides information on all reversals regardless of nature (intentional or unintentional) and size. As the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Supplementary materials	KCS Docs and Guidelines		Direct weblinks (Links to KCS Registry)
	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	
Reversal Risk Analysis and Buffer Operation Criteria	~~Guideline 4-2~~	Guideline 4-3	Click here

For sectors/activity types identified in the first question in this section, are procedures and measures in place to require and support these activities to…	
a) undertake a risk assessment that accounts for, *inter alia*, any potential causes, relative scale, and relative likelihood of reversals? (*Paragraph 3.5.2*)	⊠ YES
b) monitor identified risks of reversals? (*Paragraph 3.5.3*)	⊠ YES
c) mitigate identified risks of reversals? (*Paragraph 3.5.3*)	⊠ YES
d) ensure full compensation for material reversals of mitigation issued as emissions units and used toward offsetting obligations under the CORSIA? (*Paragraph 3.5.4*)	⊠ YES

Summarize and provide evidence of the policies and procedures referred to in a) through d):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS is aware of that some projects have the possibility of reversal and will deal with reversal issue according to KCS Reversal Risk Analysis and Buffer Account Operation Guideline. Please refer to the Guideline 4-2. Reversal Risk Analysis and Buffer Account Operation Criteria > 1 to 2.

[Guideline 4-2] Reversal Risk Analysis and Buffer Account Operation Criteria

1. Buffer Amount Calculation and Buffer Account Operation Criteria
   A. Buffer amount calculation, verification, and management
   In preparing a monitoring report, the Project proponent must calculate the buffer rate and amount by analyzing the project performance risk for the monitoring period with the buffer amount verified by a 3rd party auditor. The buffer amount is calculated by multiplying the buffer rate by the certified reduction from the Project. The calculated buffer amount is transferred to the buffer account and managed by KCCI Center for Carbon Reduction Certification.

2. Project Implementation Risk Analysis
   The resulting value of the project implementation risk analysis means the percentage (%) applied to the total reductions (KCR). The reduction of the corresponding ratio is buffered in the buffer account to mitigate the risk of unintended reversal.

b) If a reversal is identified, project proponent must provide written notice to the Center immediately upon becoming aware of the reversal. Please refer to the Guideline 4-2. Reversal Risk Analysis and Buffer Account Operation Criteria > 1 > C.

[Guideline 4-2] Reversal Risk Analysis and Buffer Account Operation Criteria

   C. Obligation to Notify Reversal
   A Project proponent must notify KCCI Center for Carbon Reduction Certification immediately upon learning of an unintentional or intentional reversal or decision to terminate the Project early. Such notice shall include the amount of the offset affected by the reversal ("Expected Loss Offset"), a description of how the expected loss offset was determined, a description of the nature and cause of the reversal, and all other relevant facts. Project proponents must promptly and completely implement any request from KCCI Center for Carbon Reduction Certification for additional information or analysis related to reversal, including the burden of costs. The Project proponents must report the actual offset amount lost due to the reversal verified by the 3rd party auditor and the results of reconducting '2. Project Implementation Risk Analysis' in this document, at its own expense, to KCCI Center for Carbon Reduction Certification **within 6 months after the reversal occurs** ("confirmed loss offset amount").

c) When a reversal is identified, there is a criterion for mitigating the loss for a reversal by dividing it into an intentional or unintentional case. Please refer to the Guideline 4-2. Reversal Risk Analysis and Buffer Account Operation Criteria > 1 > D to E.

[Guideline 4-2] Reversal Risk Analysis and Buffer Account Operation Criteria

   D. Loss Mitigation for Unintended Reversals
   KCCI Center for Carbon Reduction Certification mitigates losses incurred from unintended reversal by canceling the estimated loss amount from the buffer account at the expense of the Project proponent. If

the loss offset amount is less than the net buffer of the Project proponent up to that time, the buffer will mitigate the reversal. If the loss offset amount due to reversal exceeds the amount buffered by the Project proponent, the Project proponent must pay a "deductible" equal to 10% of the loss offset amount and buffer this additional offset amount into the buffer account within 30 days. In this case, it is possible to use any type of KCR. After an unintended reversal, it is not necessary for the Project proponent to increase the buffer amount unless the minimum buffer rate percentage increases after reconducting '2. Project Implementation Risk Analysis'. If the confirmed loss is greater than the expected loss, KCCI Center for Carbon Reduction Certification discards the difference from the buffer account.

E. Loss Mitigation for Intended Reversal

KCCI Center for Carbon Reduction Certification mitigates losses due to intentional reversal by canceling the relevant KCR from the Project proponent's account or by canceling or discarding the expected loss amount of the Project (if applicable) from the buffer account. The Project proponent bears all related expenses, including fees, etc., for its notification. Cancellation of all untraded KCR occurs for Projects terminated early and is discarded identically to all transferred reductions. The Project proponent must transfer the expected loss offset amount to the buffer account within 30 days of cancellation at its own expense. In the event of an intentional termination of a project, only KCRs of the AFOLU project type may be used to compensate for cancellation or termination. If the Project proponent does not transfer the buffer amount within 30 days, KCCI Center for Carbon Reduction Certification will have the right to freeze the account and use the existing KCR to compensate for the cancellation. Unless KCCI Center for Carbon Reduction Certification grants additional time in writing, confirmed losses must be submitted to KCCI Center for Carbon Reduction Certification within 6 months of cancellation. If the confirmed loss amount is greater than the expected loss amount, the Project proponent must additionally transfer the difference amount and the corresponding amount will be discarded from the buffer account.

d) KCS manages the serial number of certification results in the form of 'KCR_CORSIA' for certification results to be used for CORSIA, and transfers part of the certification results for the Project to the CORSIA buffer account in consideration of the risk of project implementation for the certification results. In case a reversal occurs, compensation is provided according to the KCS Reversal Risk Analysis and Buffer Operation Guideline. Please refer to the Guideline 4-2 Reversal Risk Analysis and Buffer Operation Criteria > 1 > D to E.

[Guideline 4-2] Reversal Risk Analysis and Buffer Account Operation Criteria

D. Loss Mitigation for Unintended Reversals

KCCI Center for Carbon Reduction Certification mitigates losses incurred from unintended reversal by canceling the estimated loss amount from the buffer account at the expense of the Project proponent. If the loss offset amount is less than the net buffer of the Project proponent up to that time, the buffer will mitigate the reversal. If the loss offset amount due to reversal exceeds the amount buffered by the Project proponent, the Project proponent must pay a "deductible" equal to 10% of the loss offset amount and buffer this additional offset amount into the buffer account within 30 days. In this case, it is possible to use any type of KCR. After an unintended reversal, it is not necessary for the Project proponent to increase the buffer amount unless the minimum buffer rate percentage increases after reconducting '2.

Project Implementation Risk Analysis'. If the confirmed loss is greater than the expected loss, KCCI Center for Carbon Reduction Certification discards the difference from the buffer account.

E. Loss Mitigation for Intended Reversal

KCCI Center for Carbon Reduction Certification mitigates losses due to intentional reversal by canceling the relevant KCR from the Project proponent's account or by canceling or discarding the expected loss amount of the Project (if applicable) from the buffer account. The Project proponent bears all related expenses, including fees, etc., for its notification. Cancellation of all untraded KCR occurs for Projects terminated early and is discarded identically to all transferred reductions. The Project proponent must transfer the expected loss offset amount to the buffer account within 30 days of cancellation at its own expense. In the event of an intentional termination of a project, only KCRs of the AFOLU project type may be used to compensate for cancellation or termination. If the Project proponent does not transfer the buffer amount within 30 days, KCCI Center for Carbon Reduction Certification will have the right to freeze the account and use the existing KCR to compensate for the cancellation. Unless KCCI Center for Carbon Reduction Certification grants additional time in writing, confirmed losses must be submitted to KCCI Center for Carbon Reduction Certification within 6 months of cancellation. If the confirmed loss amount is greater than the expected loss amount, the Project proponent must additionally transfer the difference amount and the corresponding amount will be discarded from the buffer account.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

Of the four principles of KCS, 'irreversible' stipulates that it must be satisfied whether the greenhouse gas reduction effect is sustainable in the long term. Hence, KCS Programme includes a review of the need for reversal risk analysis in all areas in its checklist.

As some part of the KCS standard and requirements were revised into KCS ver1.1 and came into effect on November 24, 2023, according to the approval of the Steering Committee, the previous article or paragraph numbers mentioned above were sequentially changed, as shown in the table below. Regardless of whether the user is logged in or not, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Supplementary materials	KCS Docs and Guidelines		Direct weblinks (Links to KCS Registry)
	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	
Reversal Risk Analysis and Buffer Operation Criteria	~~Guideline 4-2~~	Guideline 4-3	Click here

Are provisions in place that… (*Paragraph 3.5.5*)	
a) confer liability on the activity proponent to monitor, mitigate, and respond to reversals in a manner mandated in the programme procedures?	☒ YES

b) require activity proponents, upon being made aware of a material reversal event, to notify the programme within a specified number of days?	☒ YES
c) confer responsibility to the programme to, upon such notification, ensure and confirm that such reversals are fully compensated in a manner mandated in the programme procedures?	☒ YES

Summarize and provide evidence of the policies and procedures referred to in a) through c), including indicating the *number of days within which activity proponents must notify the programme of a material reversal event*:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) Project proponents must notify the KCCI Center for Carbon Reduction Certification immediately upon learning of an unintentional or intentional reversal or an early decision to terminate the project.

b) Within 6 months after the occurrence of the reversal, the project proponent must secure the same amount of reversed KCRs and notify the Center.

c) KCS confers responsibility to the programme to, upon such notification, ensure and confirm that such reversals are fully compensated in a manner mandated in the programme procedures. Please refer to the Guideline 4-2 Reversal Risk Analysis and Buffer Account Operation Criteria > 1 > C to E.

[Guideline 4-2] Reversal Risk Analysis and Buffer Account Operation Criteria

C. Obligation to Notify Reversal

A Project proponent must notify KCCI Center for Carbon Reduction Certification immediately upon learning of an unintentional or intentional reversal or decision to terminate the Project early. Such notice shall include the amount of the offset affected by the reversal ("Expected Loss Offset"), a description of how the expected loss offset was determined, a description of the nature and cause of the reversal, and all other relevant facts. Project proponents must promptly and completely implement any request from KCCI Center for Carbon Reduction Certification for additional information or analysis related to reversal, including the burden of costs. The Project proponents must report the actual offset amount lost due to the reversal verified by the 3rd party auditor and the results of reconducting '2. Project Implementation Risk Analysis' in this document, at its own expense, to KCCI Center for Carbon Reduction Certification within 6 months after the reversal occurs ("confirmed loss offset amount").

D. Loss Mitigation for Unintended Reversals

KCCI Center for Carbon Reduction Certification mitigates losses incurred from unintended reversal by canceling the estimated loss amount from the buffer account at the expense of the Project proponent. If the loss offset amount is less than the net buffer of the Project proponent up to that time, the buffer will mitigate the reversal. If the loss offset amount due to reversal exceeds the amount buffered by the Project proponent, the Project proponent must pay a "deductible" equal to 10% of the loss offset amount and buffer this additional offset amount into the buffer account within 30 days. In this case, it is possible to use any type of KCR. After an unintended reversal, it is not necessary for the Project proponent to increase the buffer amount unless the minimum buffer rate percentage increases after reconducting '2.

Project Implementation Risk Analysis'. If the confirmed loss is greater than the expected loss, KCCI Center for Carbon Reduction Certification discards the difference from the buffer account.

E. Loss Mitigation for Intended Reversal

KCCI Center for Carbon Reduction Certification mitigates losses due to intentional reversal by canceling the relevant KCR from the Project proponent's account or by canceling or discarding the expected loss amount of the Project (if applicable) from the buffer account. The Project proponent bears all related expenses, including fees, etc., for its notification. Cancellation of all untraded KCR occurs for Projects terminated early and is discarded identically to all transferred reductions. The Project proponent must transfer the expected loss offset amount to the buffer account within 30 days of cancellation at its own expense. In the event of an intentional termination of a project, only KCRs of the AFOLU project type may be used to compensate for cancellation or termination. If the Project proponent does not transfer the buffer amount within 30 days, KCCI Center for Carbon Reduction Certification will have the right to freeze the account and use the existing KCR to compensate for the cancellation. Unless KCCI Center for Carbon Reduction Certification grants additional time in writing, confirmed losses must be submitted to KCCI Center for Carbon Reduction Certification within 6 months of cancellation. If the confirmed loss amount is greater than the expected loss amount, the Project proponent must additionally transfer the difference amount and the corresponding amount will be discarded from the buffer account.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As mentioned earlier, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Supplementary materials	KCS Docs and Guidelines		Direct weblinks (Links to KCS Registry)
	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	
Reversal Risk Analysis and Buffer Operation Criteria	~~Guideline 4-2~~	Guideline 4-3	Click here

Does the programme have the capability to ensure that any emissions units which compensate for the material reversal of mitigation issued as emissions units and used toward offsetting obligations under the CORSIA are fully eligible for use under the CORSIA? (*Paragraph 3.5.6*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS mitigates losses due to reversal by canceling the relevant KCR (KCR_CORSIA) from the account of the project participants or canceling or discarding the expected loss of the project (if applicable) from the buffer account. Please refer to the Guideline 4-2 Reversal Risk Analysis and Buffer Account Operation Criteria > 1 > D to E.

[Guideline 4-2] Reversal Risk Analysis and Buffer Account Operation Criteria

D. Loss Mitigation for Unintended Reversals

KCCI Center for Carbon Reduction Certification mitigates losses incurred from unintended reversal by canceling the estimated loss amount from the buffer account at the expense of the Project proponent. If the loss offset amount is less than the net buffer of the Project proponent up to that time, the buffer will mitigate the reversal. If the loss offset amount due to reversal exceeds the amount buffered by the Project proponent, the Project proponent must pay a "deductible" equal to 10% of the loss offset amount and buffer this additional offset amount into the buffer account within 30 days. In this case, it is possible to use any type of KCR. After an unintended reversal, it is not necessary for the Project proponent to increase the buffer amount unless the minimum buffer rate percentage increases after reconducting '2. Project Implementation Risk Analysis'. If the confirmed loss is greater than the expected loss, KCCI Center for Carbon Reduction Certification discards the difference from the buffer account.

E. Loss Mitigation for Intended Reversal

KCCI Center for Carbon Reduction Certification mitigates losses due to intentional reversal by canceling the relevant KCR from the Project proponent's account or by canceling or discarding the expected loss amount of the Project (if applicable) from the buffer account. The Project proponent bears all related expenses, including fees, etc., for its notification. Cancellation of all untraded KCR occurs for Projects terminated early and is discarded identically to all transferred reductions. The Project proponent must transfer the expected loss offset amount to the buffer account within 30 days of cancellation at its own expense. In the event of an intentional termination of a project, only KCRs of the AFOLU project type may be used to compensate for cancellation or termination. If the Project proponent does not transfer the buffer amount within 30 days, KCCI Center for Carbon Reduction Certification will have the right to freeze the account and use the existing KCR to compensate for the cancellation. Unless KCCI Center for Carbon Reduction Certification grants additional time in writing, confirmed losses must be submitted to KCCI Center for Carbon Reduction Certification within 6 months of cancellation. If the confirmed loss amount is greater than the expected loss amount, the Project proponent must additionally transfer the difference amount and the corresponding amount will be discarded from the buffer account.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

 As same as the above response, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can

be found in the KCS Registry, and this document is publicly available at this weblink:

Supplementary materials	KCS Docs and Guidelines		Direct weblinks (Links to KCS Registry)
	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	
Reversal Risk Analysis and Buffer Operation Criteria	~~Guideline 4-2~~	Guideline 4-3	[Click here](#)

Would the programme be willing and able, upon request, to demonstrate that its permanence provisions can fully compensate for the reversal of mitigation issued as emissions units and used under the CORSIA? (*Paragraph 3.5.7*)	☒ YES

Question 4.6 <u>Assess and mitigate against potential increase in emissions elsewhere</u>

List all emissions sectors (if possible, activity types) supported by the programme that present a potential risk of material emissions leakage:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

The types of projects subject to approval of KCS can be classified into a total of 15 categories: energy industry, energy supply, energy demand, manufacturing, chemical industry, construction, and transportation., and so on. Please refer to the Project Management Requirements > Article 3 > 2 > ① to ⑮.

[Project Management Requirements]
Article 3   (Scale and Classification of Projects Subject to Approval)

    2. Projects subject to approval shall be classified according to the following subparagraphs.
      ① Energy industry
      ② Energy supply
      ③ Energy demand
      ④ Manufacturing industry
      ⑤ Chemical industry
      ⑥ Construction
      ⑦ Transportation
      ⑧ Mining · Minerals
      ⑨ Metal industry
      ⑩ Fugitive emissions from fuel
      ⑪ Fugitive emissions from production and consumption of carbon halide and sulfur hexafluoride, fugitive emissions from production and consumption of nitrogen trifluoride
      ⑫ Waste handling and disposal
      ⑬ Forest

⑭ Agriculture

⑮ Carbon dioxide capture and storage or reuse

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS registry)
Project Management Requirements of KCS ver. 1.1 (Article 3)	Click here

KCS identifies the possibility and risk of leakage in all methodologies for all project sectors subject to approval 15 types and reflects this in the assessment. In all methodologies used when certifying reduction projects in all project sectors, [Document 3-2] Methodology Proposal > 2.3. Estimation of GHG Emissions and [Document 3-3] Methodology Suitability Review Opinion> [Attachment 1] Methodology Conformity Review Checklist > 5. Adequacy of the emission calculation method, the leakage amount is presented, and its suitability is being reviewed.

Supplementary Materials	Direct weblinks (Links to KCS registry)
Methodology Proposal (Document 3-2) - 2.3. Estimation of GHG Emissions	Click here
Methodology Conformity Review Opinion (Document 3-3) - [Attachment 1] Methodology Conformity Review Checklist > 5. Adequacy of the emission calculation method	Click here

Are measures in place to assess and mitigate incidences of material leakage of emissions that may result from the implementation of an offset project or programme? (*Paragraph 3.6*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

All methodologies recognized in KCS need to identify and evaluate leakages from projects. Please refer to the Guideline 3-1. Evaluation Criteria for Methodology Validation

[Guideline 3-1] Evaluation Criteria for Methodology Validation

Evaluation Criteria for Methodology Validation
- Is the consideration of leakage presented as a reliable basis?

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):
  The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS registry)
Evaluation Criteria for Methodology Validation (Guidelines 3-1)	Click here

Are provisions in place requiring activities that pose a risk of leakage when implemented at the project level to be implemented at a national level, or on an interim basis on a subnational level, in order to mitigate the risk of leakage? (*Paragraph 3.6.2*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:
The methodology inherently includes an approach to determine leakage that is appropriate for the project boundary and discounting emission reductions accordingly. The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previos application or the Council's approval of programme eligibility (*if none, "N/A"*):
  The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS registry)
Methodology Management Requirements of KCS ver. 1.1	Click here

Are procedures in place requiring and supporting activities to monitor identified leakage? (*Paragraph 3.6.3*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

Leakage monitoring is included in all methodologies, and project proponents are required to monitor their leakage. The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS registry)
Methodology Management Requirements of KCS ver. 1.1	Click here

Are procedures in place requiring activities to deduct from their accounting emissions from any identified leakage that reduces the mitigation benefits of the activities? (*Paragraph 3.6.4*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

All the approved methodologies by KCS require that emissions (or leakages) be deducted from the baseline emissions. The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS registry)
Methodology Management Requirements of KCS ver. 1.1	Click here

Question 4.7 <u>Are only counted once towards a mitigation obligation</u>

Does the Programme have measures in place for the following…	
a) to ensure the transparent transfer of units between registries; and that only one unit is issued for one tonne of mitigation (*Paragraphs 3.7.1 and 3.7.5*)	☒ YES

b) to ensure that one unit is issued or transferred to, or owned or cancelled by, only one entity at any given time? *(Paragraphs 3.7.2 and 3.7.6)*	⊠ YES
c) to discourage and prohibit the double-selling of units, which occurs when one or more entities sell the same unit more than once? *(Paragraph 3.7.7)*	⊠ YES
d) to require and demonstrate that host countries of emissions reduction activities agree to account for any offset units issued as a result of those activities such that double claiming does not occur between the airline and the host country of the emissions reduction activity? *(Paragraph 3.7.3)*	⊠ YES

Summarize and provide evidence of the policies and procedures referred to in a) through d):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) To ensure the transparent management and transfer of certification results, KCS assigns serial numbers for certified project's certification result in accordance with Project Management Requirements and Document No. 5-1 Please refer to the Project Management Requirements > Article 27 > 2 and Document No.5-1.

[Project Management Requirements]
Article 27 (Issuance of Project GHG Reduction Certificate)

   2.   KCCI Center for Carbon Reduction Certification shall register Projects determined for GHG reduction certification pursuant to Paragraph 1 in the registry and perform history management such as assigning a serial number to the Project according to Guideline 5-1 to distinguish relevant projects.

The above information and Document No. 5-1 can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

b) KCS assigns a serial number for certification results of projects and issues it according to the content of the agreement on ownership of certification results between stakeholders, so that one certification result is managed to prevent duplicate issuance to multiple stakeholders. In cases where certification results are transferred, traded, or used, we apply for them and manage procedures to confirm related matters. Please refer to the Project Management Requirements > Article 30 > 1 to 5.

[Project Management Requirements]
Article 30 (Transfer, Trading and Use of Project Certified reduction)

   1.   KCCI Center for Carbon Reduction Certification may transfer the certified reduction as requested if a person intending to transfer the certified reduction registered in the holding account to another Project participant's holding account (transferrer) and a person intending to receive the transfer (transferee) apply for the transfer by submitting the following documents.
      ① Transfer application according to Document No. 4-12
      ② Evidentiary materials to confirm the relevant contract details
   2.   KCCI Center for Carbon Reduction Certification shall review the application and decide whether to approve the transfer.

3. Upon transferring the certified reduction pursuant to Paragraph 1, KCCI Center for Carbon Reduction Certification shall transfer the relevant person registered in the account held by the person applying for the transfer to the cancellation account and register the transferred certified reduction to the account held by the person receiving the transfer according to the application.

4. In the case of trading certified reduction, the person intending to sell (transferrer) and the person intending to buy (transferee) shall submit the following documents.
   ① Application for transaction according to Document No. 4-13
   ② Evidentiary materials to confirm the relevant contract details

5. In the case of using certified reduction, the person using the certified reduction shall submit the following documents.
   ① Report on use according to Document No. 4-14
   ② A document to confirm the related usage plan

c) KCS manages the history through the Centero system when selling certified reduction, so it is possible to suppress double sales of certified reduction.
Please refer to the Project Management Requirements > Article 30 > 3.

[Project Management Requirements]
Article 30 (Transfer, Trading and Use of Project Certified reduction)
3. Upon transferring the certified reduction pursuant to Paragraph 1, KCCI Center for Carbon Reduction Certification shall transfer the relevant person registered in the account held by the person applying for the transfer to the cancellation account and register the transferred certified reduction to the account held by the person receiving the transfer according to the application.

d) KCS requires the submission of a written document that publicly guarantees that the activities of the project will not be used twice between the host country and the airline. And it must be reported immediately, in the event of a policy change or a change in guaranteed details for the relevant project.
Please refer to the Project Management Requirements > Article 32 > 1 > ① to ②.

[Project Management Requirements]
Article 32 (Special Cases concerning Issuance of CORSIA Certification Results)

1. Notwithstanding the provisions of this guideline, the following special cases apply in relation to the issuance of certification results to be used in the CORSIA system.
   ① The Project proponent intending to use certified reduction for the CORSIA system shall submit written document that publicly guaranteeing that the concerned Project certified reduction will not be double used for CORSIA implementation of airlines, national NDC achievement or other form of Project, etc. from the country where the certification results occur (hereafter the "host country") prior to application for registration of the Project.
   ② The Project proponent shall notify KCCI Center for Carbon Reduction Certification immediately in the event of a change in the relevant policy of the host country or a change

in guarantee for the relevant Project in relation to the documents submitted pursuant to subparagraph 1.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

a-c) As some part of the KCS standard and requirements were revised into KCS ver1.1 and came into effect on November 24, 2023, according to the approval of the Steering Committee, the previous article or paragraph numbers mentioned above were sequentially changed, as shown in the table below. Regardless of whether the user is logged in or not, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

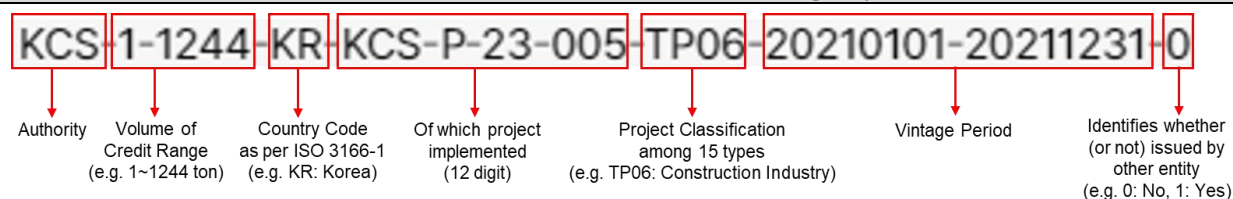| Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	Article 27		Click here
	~~Article 30~~	Article 33	
	~~Article 32~~	Article 35	

Supplementary materials	KCS Docs and Guidelines		Direct weblinks (Links to KCS Registry)
	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	
Application for KCCI Certified Reduction (KCR) Transfer	~~Document 4-12~~	Document 4-10	Click here
Application for KCCI Certified Reduction (KCR) Trading	~~Document 4-13~~	Document 4-11	Click here
Declaration of KCCI Certified Reduction (KCR) Usage	~~Document 4-14~~	Document 4-12	Click here

As per KCS Guideline 5-1 and Project Management Requirements under the KCS program, only one is issued for one tonne of mitigation. The full contents mentioned above can be found in the KCS Registry and publicly available at the weblink listed below.

References	Direct weblinks (Links to KCS registry)
Registry Serial Number Assignment Criteria (Guidelines 5-1)	Click here

In addition, an example of issued KCR credits as displayed below shows the structure of Credit numbers which has been identified so that double issuance for the same reductions is not possible, in compliance with KCS Guideline 5-1.

Structure of KCR credit on the KCS registry

KCS | 1-1244 | KR | KCS-P-23-005 | TP06 | 20210101-20211231 | 0

Authority | Volume of Credit Range (e.g. 1~1244 ton) | Country Code as per ISO 3166-1 (e.g. KR: Korea) | Of which project implemented (12 digit) | Project Classification among 15 types (e.g. TP06: Construction Industry) | Vintage Period | Identifies whether (or not) issued by other entity (e.g. 0: No, 1: Yes)

Example of KCR Credit Certificate	Detailed Information (Links to KCS registry)
CERTIFICATE Project for reduction of fossil fuels and greenhouse gas emissions through production of warm mix asphalt concrete in Korea Vintage Period 2021-01-01~2021-12-31 Credit No KCS-1-1244-KR-KCS-P-23-005-TP06-20210101-20211231-0 1,244 Issued Date 2023-06-28　Certified by KCS	Credit Example on the KCS registry: • (KCS-P-23-005) Project for reduction of fossil fuels and greenhouse gas emissions through production of warm mix asphalt concrete in Korea • 1,244 KCRs issued • Direct weblinks for more details (with certificate) : Click here

Does the Programme have procedures in place for the following: (*Paragraph 3.7.8*)	
a) to obtain, or require activity proponents to obtain and provide to the programme, written attestation from the host country's national focal point or focal point's designee?	☒ YES
b) for the attestation(s) to specify, and describe any steps taken, to prevent mitigation associated with units used by operators under CORSIA from also being claimed toward a host country's national mitigation target(s) / pledge(s)?	☒ YES
c) for Host country attestations to be obtained and made publicly available prior to the use of units from the host country in the CORSIA?	☒ YES

Summarize and provide evidence of the policies and procedures referred to in a) through c):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) Before applying for registration, a project proponent is required to submit in writing a document that publicly guarantees that the certification of the relevant project will not be used twice for the achievement of NDC or other forms of project in the country in which the certified reduction occurs.

b) KCS prevents mitigation associated with units used by project proponents under CORSIA from also being claimed toward a host country's national mitigation targets. KCS is managed in accordance with the Project Management Requirements to prevent double use of certified results.

c) KCS requires all CORSIA eligible projects to have Host country attestations to be obtained and made publicly

available prior to the use of units from the host country in the CORSIA. Please refer to the Project Management Requirements > Article 32 > 1 > ①.

[Project Management Requirements]

Article 32   (Special Cases concerning Issuance of CORSIA Certification Results)

1. Notwithstanding the provisions of this guideline, the following special cases apply in relation to the issuance of certification results to be used in the CORSIA system.

    ① The Project proponent intending to use certified reduction for the CORSIA system shall submit written document that publicly guaranteeing that the concerned Project certified reduction will not be double used for CORSIA implementation of airlines, national NDC achievement or other form of Project, etc. from the country where the certification results occur (hereafter the "host country") prior to application for registration of the Project.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

  As mentioned earlier, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 32~~	Article 35	Click here

Does the Programme have procedures in place requiring… (*Paragraph 3.7.9*)	
a) that activities take approach(es) described in (any or all of) these sub-paragraphs to prevent double-claiming?	⊠ YES
⊠ Emissions units are created where mitigation is not also counted toward national target(s) pledge(s) / mitigation contributions / mitigation commitments. (*Paragraph 3.7.9.1*)	
⊠ Mitigation from emissions units used by operators under the CORSIA is appropriately accounted for by the host country when claiming achievement of its target(s) / pledges(s) / mitigation contributions / mitigation commitments, in line with the relevant and applicable international provisions. (*Paragraph 3.7.9.2*)	
⊠ Programme procedures provide for the use of method(s) to avoid double-claiming which are not listed above (*Paragraph 3.7.9.3*)	
b) that Host Country attestations confirm the use of approach(es) referred to in the list above?	⊠ YES

Summarize and provide evidence of the policies and procedures referred to in a) and b):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) KCS prevents double-claiming of emissions units for all projects and takes special consideration for CORSIA eligible units as mentioned below that the emissions units are double-claimed in any international provisions.

b) KCS will establish a process to follow up on whether the host country has applied correspondence adjustments and to obtain the necessary evidence, which will be recorded in the registry. However, as it will take time for countries to establish internal procedures for applying reconciliations to national accounts, the process of obtaining evidence from countries for reconciliation will take considerable time. Please refer to the Project Management Requirements > Article 32 > 1 > ① to ⑥.

[Project Management Requirements]
Article 32 (Special Cases concerning Issuance of CORSIA Certification Results)

1. Notwithstanding the provisions of this guideline, the following special cases apply in relation to the issuance of certification results to be used in the CORSIA system.

   ① The Project proponent intending to use certified reduction for the CORSIA system shall submit written document that publicly guaranteeing that the concerned Project certified reduction will not be double used for CORSIA implementation of airlines, national NDC achievement or other form of Project, etc. from the country where the certification results occur (hereafter the "host country") prior to application for registration of the Project.

   ② The Project proponent shall notify KCCI Center for Carbon Reduction Certification immediately in the event of a change in the relevant policy of the host country or a change in guarantee for the relevant Project in relation to the documents submitted pursuant to subparagraph 1.

   ③ KCCI Center for Carbon Reduction Certification shall separately classify the Project certification results issued with the issuance account of the Projects registered in accordance with Item 1, and transfer part of the Project certification results to the CORSIA buffer account considering the risk of project implementation and issue the Project certified reduction to the account held by the Project proponent for the amount excluding the transferred amount.

   ④ KCCI Center for Carbon Reduction Certification shall review whether the reductions recognition criteria of KCS conform to the reduction recognition criteria guaranteed by the host country of the Project applying for registration pursuant to Subparagraph 1 and shall manage to ensure that certified reduction is not double used. Nevertheless, KCCI Center for Carbon Reduction Certification shall compensate the CORSIA-related institution for the certified reduction corresponding to the canceled certified reduction in the CORSIA buffer account if the Project certified reduction under subparagraph 1 is canceled due to double use, etc.

   ⑤ If the certified reduction in subparagraph 4 is revoked due to reasons attributable to the

Project proponent, KCCI Center for Carbon Reduction Certification shall immediately retrieve the certified reduction corresponding to the revoked certified reduction from the proponent's account. If the certified performance of the Project proponent's account fails to reach the amount collected, the Project proponent shall immediately procure the shortfall, and pay a certain ratio accumulated over the elapsed date if the procurement is delayed.

⑥ KCCI Center for Carbon Reduction Certification shall record and preserve the progress from Items 1 to 5 and submit the relevant records upon request from CORSIA-related organizations.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As same as the above response, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 32~~	Article 35	Click here

Does the Programme… (*Paragraph 3.7.10*)	
a) make publicly available any national government decisions related to accounting for units used in ICAO, including the contents of host country attestations described in paragraph 3.7.8?	☒ YES
b) update information pertaining to host country attestation as often as necessary to avoid double-claiming?	☒ YES

Summarize and provide evidence of the policies and procedures referred to in a) and b):

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

a) The CORSIA eligible under KCS must obtain a "guarantee and approval" from a designated agency of the government, and this guarantee and approval must be attached.

b) KCS will establish a process to follow up on whether the host country has applied correspondence adjustments and to obtain the necessary evidence, which will be recorded in the registry. However, as it will take time for countries to establish internal procedures for applying reconciliations to national accounts, the process of obtaining evidence from countries for reconciliation will take considerable time.
Please refer to the Project Management Requirements > Article 32 > 1 > ①.

[Project Management Requirements]

Article 32 (Special Cases concerning Issuance of CORSIA Certification Results)

1. Notwithstanding the provisions of this guideline, the following special cases apply in relation to the issuance of certification results to be used in the CORSIA system.
   ① The Project proponent intending to use certified reduction for the CORSIA system shall submit written document that publicly guaranteeing that the concerned Project certified reduction will not be double used for CORSIA implementation of airlines, national NDC achievement or other form of Project, etc. from the country where the certification results occur (hereafter the "host country") prior to application for registration of the Project.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

KCCI center is carefully monitoring the corresponding adjustment procedures in accordance with Article 6 of the Paris Agreement and is closely watching the government's moves accordingly. In case of Korean government, the Presidential Commission on Carbon Neutrality and Green Growth announced the 'Guidelines on preliminary approval of overseas carbon reduction projects and acquisition of overseas carbon reduction achievements', and its registry system is being made and expected to be opened by the end of 2024. In this regard, KCCI may consider taking into action to apply for preliminary approval, as soon as such a process and system is stabilized, if necessary.

References	Direct weblinks
Guidelines on preliminary approval of overseas carbon reduction projects and acquisition of overseas carbon reduction achievements	Click here
Website of Presidential Commission on Carbon Neutrality and Green Growth	Click here
Related news articles by Korean Government (Press released in Korean)	Click here

In addition to this, as same as the above response, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 32~~	Article 35	Click here

Does the Programme have procedures in place to compare countries' accounting for emissions units in national emissions reports against the volumes of eligible units issued by the programme	☒ YES

and used under the CORSIA which the host country's national reporting focal point or designee otherwise attested to its intention to not double claim? (*Paragraph 3.7.11*)	

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

The CORSIA eligible projects must follow the step-by-step process to implement emissions accounting and cross-checking of information in accordance with Article 6 of the Paris Agreement. The KCCI Center for Carbon Reduction Certification must review whether the KCS meet the standards guaranteed by the host country of the project and must be managed so that the certification performance is not used twice. Please refer to Project Management Requirements > Article 32 > 1 > ① to ⑥.

[Project Management Requirements]
Article 32   (Special Cases concerning Issuance of CORSIA Certification Results)

1. Notwithstanding the provisions of this guideline, the following special cases apply in relation to the issuance of certification results to be used in the CORSIA system.

    ① The Project proponent intending to use certified reduction for the CORSIA system shall submit written document that publicly guaranteeing that the concerned Project certified reduction will not be double used for CORSIA implementation of airlines, national NDC achievement or other form of Project, etc. from the country where the certification results occur (hereafter the "host country") prior to application for registration of the Project.

    ② The Project proponent shall notify KCCI Center for Carbon Reduction Certification immediately in the event of a change in the relevant policy of the host country or a change in guarantee for the relevant Project in relation to the documents submitted pursuant to subparagraph 1.

    ③ KCCI Center for Carbon Reduction Certification shall separately classify the Project certification results issued with the issuance account of the Projects registered in accordance with Item 1, and transfer part of the Project certification results to the CORSIA buffer account considering the risk of project implementation and issue the Project certified reduction to the account held by the Project proponent for the amount excluding the transferred amount.

    ④ KCCI Center for Carbon Reduction Certification shall review whether the reductions recognition criteria of KCS conform to the reduction recognition criteria guaranteed by the host country of the Project applying for registration pursuant to Subparagraph 1 and shall manage to ensure that certified reduction is not double used. Nevertheless, KCCI Center for Carbon Reduction Certification shall compensate the CORSIA-related institution for the certified reduction corresponding to the canceled certified reduction in the CORSIA buffer account if the Project certified reduction under subparagraph 1 is canceled due to double use, etc.

    ⑤ If the certified reduction in subparagraph 4 is revoked due to reasons attributable to the Project proponent, KCCI Center for Carbon Reduction Certification shall immediately

retrieve the certified reduction corresponding to the revoked certified reduction from the proponent's account. If the certified performance of the Project proponent's account fails to reach the amount collected, the Project proponent shall immediately procure the shortfall, and pay a certain ratio accumulated over the elapsed date if the procurement is delayed.

⑥ KCCI Center for Carbon Reduction Certification shall record and preserve the progress from Items 1 to 5 and submit the relevant records upon request from CORSIA-related organizations.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As same as the above response, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 32~~	Article 35	Click here

Does the Programme have procedures in place for the programme, or proponents of the activities it supports, to compensate for, replace, or otherwise reconcile double claimed mitigation associated with units used under the CORSIA which the host country's national accounting focal point or designee otherwise attested to its intention to not double claim? (*Paragraph 3.7.13*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

Project proponents who wish to use certification results for CORSIA must submit a document that publicly guarantees that the certified reduction will not be used twice as other forms of result or achieve NDC or from the host country or the airlines where the certified reduction occurs, prior to application for registration of the project. Please refer to Project Management Requirements > Article 32 > 1 > ①.

[Project Management Requirements]
Article 32   (Special Cases concerning Issuance of CORSIA Certification Results)

1. Notwithstanding the provisions of this guideline, the following special cases apply in relation to the issuance of certification results to be used in the CORSIA system.
   ① The project proponent intending to use certified reduction for the CORSIA system shall

submit written document that publicly guaranteeing that the concerned Project certified reduction will not be double used for CORSIA implementation of airlines, national NDC achievement or other form of Project, etc. from the country where the certification results occur (hereafter the "host country") prior to application for registration of the Project.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

As same as the above response, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 32~~	Article 35	Click here

Would the Programme be willing and able, upon request, to report to ICAO's relevant bodies, as requested, performance information related to, *inter alia*, any material instances of and programme responses to country-level double claiming; the nature of, and any changes to, the the number, scale, and/or scope of host country attestations; any relevant changes to related programme measures? (*Paragraph 3.7.12*)	☒ YES

Question 4.8 <u>Do no net harm</u>

Are procedures in place to ensure that offset projects do not violate local, state/provincial, national or international regulations or obligations? (*Paragraph 3.8*)	☒ YES

Summarize and provide evidence of the policies and procedures referred to above:

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

The project proponent must implement the project according to the PDD of the approved project, complying with relevant laws and regulations. Please refer to Project Management Requirements > Article 19 > 1 > ① to ⑤.

[Project Management Requirements]

Article 19　(Implementation of Project)

1. A project proponent shall implement the relevant Project according to the project plan of the approved Project, comply with relevant laws and regulations, not impede other sustainable development standards other than GHG reduction, and appropriately operate and manage target facilities.

　① It shall comply with local, national, and international laws and regulations for the Projects not to cause harm.

　② It shall identify environmental and local community risks and impacts.

　③ It shall explain in detail the methods and mechanisms for preventing, reducing, mitigating or compensating for negative environmental and community impacts and the monitoring, management and implementation methods.

　④ It shall ensure that the rights of affected communities and other interested parties have been acknowledged and that they are fully and effectively engaged and consulted.

　⑤ It shall put continuous communication and grievance resolution mechanisms in place and share the benefits of the Project with affected communities.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

　As some part of the ver1.0 of KCS standard and requirements were revised to KCS ver1.1 and came into effect on November 24, 2023, according to the approval of the Steering Committee, the previous article or paragraph numbers on the above responses were sequentially changed, as shown below. Obviously, the full contents of KCS ver1.1 can be found in the KCS Registry, and this document is publicly available at the following weblink, regardless of whether the user is logged in or not.

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 19~~	Article 21	Click here

Describe, and provide evidence that demonstrates, how the programme complies with social and environmental safeguards: (*Paragraph 3.8*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

The project proponents must implement the project according to the PDD of the approved projectand must not compromise other sustainable development standards with greenhouse gas reduction, and properly operate and manage target facilities. Please refer to Project Management Requirements > Article 19 > 1 > ① to ⑤.

[Project Management Requirements]
Article 19   (Implementation of Project)

1.   A project proponent shall implement the relevant Project according to the project plan of the approved Project, comply with relevant laws and regulations, not impede other sustainable development standards other than GHG reduction, and appropriately operate and manage target facilities.

① It shall comply with local, national, and international laws and regulations for the Projects not to cause harm.

② It shall identify environmental and local community risks and impacts.

③ It shall explain in detail the methods and mechanisms for preventing, reducing, mitigating or compensating for negative environmental and community impacts and the monitoring, management and implementation methods.

④ It shall ensure that the rights of affected communities and other interested parties have been acknowledged and that they are fully and effectively engaged and consulted.

⑤ It shall put continuous communication and grievance resolution mechanisms in place and share the benefits of the Project with affected communities.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

  All programs supported by KCS are required to comply with environmental and social protection measures in accordance with the above-mentioned guidelines, and a 3rd party auditor is required to review and submit a verification report to determine whether these contents are met.

  For example, in the case of environmental impacts, projects conducted in Korea are required to comply with all environmental impacts in accordance with "Act on the Integrated Control of Pollutant-discharging Facilities" under the jurisdiction of the Ministry of Environment of Korea.

References	Direct weblinks
Act on the Integrated Control of Pollutant-discharging Facilities	Click here
Website of Korea National Legislation Research Institute	Click here
Website of Korean Ministry of Environment	Click here

  In addition to this, as mentioned earlier, the previous article or paragraph numbers on the above responses were sequentially changed due to the revision from KCS ver. 1.0 to ver. 1.1, and the full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

Project Management Requirements			
Changes	KCS ver. 1.0	KCS ver. 1.1 (Latest Updated)	Direct weblinks (Links to KCS registry)
Article / Paragraph No.	~~Article 19~~	Article 21	Click here

Describe, and provide evidence of the programme's public disclosure of, the institutions, processes, and procedures that are used to implement, monitor, and enforce safeguards to identify, assess and manage environmental and social risks: (*Paragraph 3.8*)

A. Information contained in the programme's original application, including information submitted in response to follow-up discussions and written questions pertaining to this topic:

KCS identifies, assesses, and manages environmental and social risks and discloses to the public to collect public opinion.

[KCCI Carbon Standard]

Article 9   (Public Opinion Collection)

> ① Upon revising this standard, stakeholders' opinions must be collected through external disclosure, and it must be reviewed on whether to reflect the received opinions.

The above information can be confirmed by the standard posted on Centero system at http://kcs.centero.kr

B. Summary and accompanying evidence of <u>any</u> updates or changes to the programme elements described in "A" that were initiated following the previous application or the Council's approval of programme eligibility (*if none, "N/A"*):

The full contents mentioned above can be found in the KCS Registry, and this document is publicly available at this weblink:

References	Direct weblinks (Links to KCS registry)
KCCI Carbon Standard of KCS ver.1.1 (Article 9)	Click here

Environmental and social impacts are considered when a 3rd party auditor conducted validation and verification, and they must be qualified based on ISO 14065 and IAF MD 6 standards, under the KCS programme. Hence, all methodologies and projects joined the KCS registry were validated and verified by one of auditors.

Especially in Korea, the National Institute of Environmental Research (NIER) specifies a 3rd party auditor that meet ISO 14065:2020 and ISO/IEC 17029:2019 standards, which are also publicly disclosed in the KCS registry, as below.

References	Direct weblinks
Relevant Requirements under the KCS (Article 5 of KCS standard ver1.1)	Click here
List of 3rd party auditors (in Korea, posted in the KCS registry)	Click here
Website of National Institute of Environmental Research	Click here

PART 5: Programme comments

Are there any additional comments the programme wishes to make to support the information provided in this form?

Since the KCS programme, of which administrative office is based in Seoul, is being operated in Korean Language (known as Hangul), all documents related to the KCS certification, including the validation and verification reports by 3rd party auditors in compliance with ISO 14065, 17029 and IAF MD 6, were written in Korean. Accordingly, Centero, a KCS registry provides access to those resources versed in Korean only in 2023.

However, in 2024, unlike last year, all contents on the KCS registry were mostly translated into English at http://kcs.centero.kr to ensure a smooth, full, and proper CORSIA assessment. It is provided for the basic understanding for all international stakeholders including TAB members and the ICAO Office of Environment. Especially, external documents to demonstrate their certification process were entirely or partially interpreted through a web-based translator such as Cloud Translation by Google or DeepL. Hence, the translations through a web translation tool may result in awkwardness of words or unintentional errors. Even if the English content is somewhat lacking or contains errors during this process, KCCI center keep all original documents written in their own language (mostly in Korean) to present as evidence if required. In addition, quoted Korean Laws and government notices mentioned in some responses are not provided in English, but the contents can be translated and provided for convenience purposes if necessary.

KCCI center cordially request that KCS programme would be completely assessed with respect to ICAO's policy and philosophy, since KCS programme was designed for ensuring integrity of carbon offset project activities aligned with CORSIA-EUC. If the assessment is difficult due to the language barrier, we kindly ask not to hesitate to email KCCI center at hkim@korcham.net and crcenter@korcham.net at any time or call us at +82 (2) 6050-3832.

Meanwhile, to show our commitment to long running the program at global stage, KCS has participated in the simulation testing of CAD Trust (Former Climate Warehouse) hosted by the World Bank in 2022. Furthermore in 2023, KCCI center also participated in COP28 Dubai and made a presentation at Korean Pavilion on December 8 2023, and public communication activities including on-site public opinions collection on the KCS programme and its achievements through an official booth at Blue Zone, which was assigned by UNFCCC on December 8 and 9. All these materials at that moment can be freely downloaded from the site below for a better understanding of KCS programme.

References	Direct weblinks
KCS Program Overview (Presentation material in COP28 Dubai)	Click here
※ List of Side Events of Korea Pavilion in COP28 Dubai (KCCI center made a presentation on December 8, 2023)	Click here
KCS Program Brief Guidebook (Provided at booth 42 in COP28 Dubai)	Click here
※ List of Side Events & Exhibits of UNFCCC in COP28 Dubai (KCCI center exhibited at booth 42 on December 8-9, 2023)	Click here

SECTION IV: SIGNATURE

I certify that I am the administrator or authorized representative ("Programme Representative") of the emissions unit programme ("Programme") represented in a) this form, b) evidence accompanying this form, and c) any subsequent oral and/or written correspondence (a-c: "Programme Submission") between the Programme and ICAO; and that I am duly authorized to represent the Programme in all matters related to ICAO's analysis of this application form; and that ICAO will be promptly informed of any changes to the contact person(s) or contact information listed in this form.

As the Programme Representative, I certify that all information in this form is true, accurate, and complete to the best of my knowledge.

As the Programme Representative, I acknowledge that:

the Programme's participation in the assessment does not guarantee, equate to, or prejudge future decisions by Council regarding CORSIA-eligible emissions units; and

the ICAO is not responsible for and shall not be liable for any losses, damages, liabilities, or expenses that the Programme may incur arising from or associated with its voluntary participation in the assessment; and

as a condition of participating in the assessment, the Programme will not at any point publicly disseminate, communicate, or otherwise disclose the nature, content, or status of communications between the Programme and ICAO, and of the assessment process generally, unless the Programme has received prior notice from the ICAO Secretariat that such information has been and/or can be publicly disclosed.

Signed:

Youngjun Cho   Feb 28, 2024
_____   _____
Full name of Programme Representative (*Print*)   Date signed (*Print*)

_____
Programme Representative (*Signature*)

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(This signature page may be printed, signed, scanned and submitted as a separate file attachment)

Programme Re-application Form, Appendix B

Programme Assessment Scope

CONTENTS: List all activities and methodologies/protocols that were assessed by TAB at the time of the previous
programme's application or are currently within the Scope of Eligibility in the pilot phase. Programmes may define additional
activities and methodologies/protocols programmes for TAB's assessment for the **CORSIA first phase**.

Sheet A)   Activities previously assessed by TAB at the time of the previous programme's application or those within the Scope of Eligibility in the pilot phase

Sheet B)   List of all methodologies / protocols that support activities described under Sheet A

Sheet C)   Activities that were not previously-assessed or excluded for assessment by TAB at the time of the previos application and that programmes wish to add for TAB's assessment for the first phase

Sheet D)   List of all methodologies / protocols that support activities described under Sheet C

SHEET A: APPROVED ACTIVITIES *(Here, list activities supported by the programme that were previously-assessed by TAB at the time of the previous application or those within the Scope of Eligibility in the pilot phase)*

Sector	Supported activity type(s)	Implementation level(s)	Geography(ies)
Construction Industry	Project for reduction of fossil fuels and greenhouse gas emissions through production of warm mix asphalt concrete in Korea • GHG emissions avoidance • Energy efficiency • Fuel change efficiency	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.0 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Global
Forest	2021 Carbon sink enhancement project through restoration of mangrove forests in Tra Vinh Province, Vietnam • GHG emissions removal	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.0 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Vietnam only
Waste Management and Disposal	Greenhouse gas reduction project in the process of producing chemical materials using raw materials applied with waste plastic depolymerization technology • GHG emissions avoidance • Fuel or feedstock switching	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.0 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Global
Energy Demand	Building cooling and heating energy saving business through application of smart window film • GHG emissions avoidance • Energy efficiency	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.0 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Global
Waste Management and Disposal	Project to replace single-use coffee cups with reusable cups from SK Telecom's Happy Habit program • GHG emissions avoidance	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.0 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Global

Waste Management and Disposal	Project that uses pyrolysis refined oil and green carbon black produced by using waste tire pyrolysis technology as fuel and raw materials for naphtha cracking facilities or petrochemical products • GHG emissions avoidance • Fuel or feedstock switching	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.0 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Global

SHEET B: APPROVED METHODOLOGIES / PROTOCOLS LIST *(Here, list all methodologies / protocols that support activities described in Sheet A)*

Methodology name	Unique Methodology / Protocol Identifier	Applicable methodology version(s)	Date of entry into force of most recent version	Prior versions of the methodology that are credited by the Programme (if applicable)	Greenhouse / other gases addressed in methodology	Web link to methodology
Methodology for improved forest management through extension of rotation age from Korean National Forest Certification System of Forestry and Mountain Villages Development Promotion Act	Methodology #1 / Korea National Forest Certification System KCS-M-23-001 / KCCI Carbon Standard	V1.0	31/08/2021	Not applicable	CO2	Click here
Energy efficiency measures in thermal applications of non-renewable biomass	AMS-II.G. / Clean Development Mechanism KCS-M-23-002 / KCCI Carbon	V9.0	31/08/2021	Not applicable	CO2, CH4, N2O	Click here
Methodology of Electricity Consumption Reduction Project by Improving Low Power eSSD Performance	KCS-M-23-004 / KCCI Carbon Standard	V1.0	25/10/2021	Not applicable	CO2, CH4, N2O	Click here
Methodology on reduction of fossil fuels and greenhouse gas emissions by manufacturing warm mix asphalt concrete	KCS-M-23-005 / KCCI Carbon Standard	V1.0	14/10/2021	Not applicable	CO2, CH4, N2O	Click here
Methodology for improving vehicle fuel use efficiency through the development and sale of low-viscosity engine oil	KCS-M-23-006 / KCCI Carbon Standard	V1.0	15/11/2021	Not applicable	CO2	Click here
Methodology for fossil fuel reduction project according to the installation of dedicated batteries for electric or hybrid vehicles	KCS-M-23-007 / KCCI Carbon Standard	V1.0	15/11/2021	Not applicable	CO2, CH4, N2O	Click here
Afforestation and reforestation methodology in degraded mangrove habits	AR-AM0014 / Clean Development Mechanism KCS-M-23-008 / KCCI Carbon Standard	V1.4	14/12/2021	Not applicable	CO2	Click here
Methodology for greenhouse gass reduction generated during the transportation of salt water	KCS-M-23-009 / KCCI Carbon Standard	V1.0	14/12/2021	Not applicable	CO2	Click here
Methodology of chemical products from raw materials produced by applying waste plastic depolymerization technology	KCS-M-23-010 / KCCI Carbon Standard	V2.0	14/12/2022	Not applicable	CO2, CH4, N2O	Click here
Methodology of building cooling and heating energy saving through smart window film	KCS-M-23-011 / KCCI Carbon Standard	V1.0	14/12/2021	Not applicable	CO2, CH4, N2O	Click here
Methodology for replacing single-use containers with reusable containers	KCS-M-23-012 / KCCI Carbon Standard	V1.0	01/07/2022	Not applicable	CO2, CH4, N2O	Click here
Methodology for improving vehicle fuel use efficiency through the development and sale of mineral-based lube base oil	KCS-M-23-013 / KCCI Carbon Standard	V1.0	21/09/2022	Not applicable	CO2	Click here
Methodology for reducing greenhouse gas in carbon storage and incineration disposla by using bio materials	KCS-M-23-014 / KCCI Carbon Standard	V1.0	14/12/2022	Not applicable	CO2, CH4, N2O	Click here
Methodology of eletricity loss reduction due to SiC Wafer development and replacement of Si Wafer-based semiconductor devices	KCS-M-23-015 / KCCI Carbon Standard	V1.0	14/12/2022	Not applicable	CO2, CH4, N2O	Click here
Methodology for using pyrolysis oil and carbon black produced using waste tire pyrolysis technology as raw materials for fuel and naphth	KCS-M-23-016 / KCCI Carbon Standard	V1.0	14/12/2022	Not applicable	CO2, CH4, N2O	Click here
The methodology for the disposable products inhibition project	KCS-M-23-017 / KCCI Carbon Standard	V1.0	14/12/2022	Not applicable	CO2, CH4, N2O	Click here

SHEET C: ADDITIONAL ACTIVITIES *(Here, list activities supported by the programme that were not previously-assessed by TAB at the time of the previous application and that programmes wish to add for assessment for the first phase)*

Sector	Supported activity type(s)	Implementation level(s)	Geography(ies)
Construction Industry	Greenhouse Gas Reduction Project Through Eco-friendly De-icers with the Application of Starfish • GHG emissions avoidance • Fuel or feedstock switching	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.0 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Global
Transportation	A project to improve transportation energy efficiency by installing refrigeration and refrigeration devices for cold chain-only vehicles • GHG emissions avoidance • Energy efficiency	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.0 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Global
Energy Industry	KCC Industrial Co., Ltd.'s Greenhouse Gas Reduction Project through Carbon Reduction Concrete Production • GHG emissions avoidance • Energy efficiency • Fuel change efficiency	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.0 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Global
Energy Demand	Project to reduce electricity consumption by improving the performance of SK hynix's low-power DRAMs • GHG emissions avoidance • Energy efficiency	• Project-level only • Got Validation by a 3rd party auditor: Yes • Certification standard version elegibility: KCS issued to projects that applied the version 1.1 • Additionality approach: KCS issued to projects that demonstrated the additionality assessment in compliance with Project Managment Requirement	Global

SHEET D: ADDITIONAL METHODOLOGIES / PROTOCOLS LIST *(Here, list all methodologies / protocols that support activities described in Sheet C)*

Methodology name	Unique Methodology / Protocol Identifier	Applicable methodology version(s)	Date of entry into force of most recent version	Prior versions of the methodology that are credited by the Programme (if applicable)	Greenhouse / other gases addressed in methodology	Web link to methodology
A Methodology for Greenhouse Gas Reduction through Eco-friendly De-icers with the Application of Starfish	KCS-M-23-019 / KCCI Carbon Standard	V1.0	18/07/2023	N/A	CO2, CH4, N2O	Click here
A Methodology for the Improvement of Transport Energy Efficiency through the Installation of Non-driving Refrigeration and Refrigeration Devices for Cold Chain Vehicles	KCS-M-23-020 / KCCI Carbon Standard	V1.0	02/11/2023	N/A	CO2	Click here
A Methodology for Reducing Greenhouse Gas by the Carbon Sequestration of Biochar	KCS-M-23-021 / KCCI Carbon Standard	V1.0	02/11/2023	N/A	CO2	Click here
Methodology for reducing electricity consumption by improving the performance of low-power DRAM products	KCS-M-23-023 / KCCI Carbon Standard	V1.1	20/12/2023	N/A	CO2, CH4, N2O	Click here
Methodology for Producing and Using Carbon-reduced Concrete	KCS-M-23-024 / KCCI Carbon Standard	V1.0	20/12/2023	N/A	CO2, CH4, N2O	Click here
Methodology for reducing power usage in home appliances through software-based power saving technologies	KCS-M-23-026 / KCCI Carbon Standard	V1.0	20/12/2023	N/A	CO2, CH4, N2O	Click here

Programme Re-application Form, Appendix C

Programme Exclusions Scope

CONTENTS: List all activities and methodologies/protocols that were excluded from the
previous TAB's assessment or outside of Scope of Eligibility in the pilot phase. Programmes
may define additional activities and methodologies/protocols programmes to be **excluded** from
TAB's assessment for the **CORSIA first phase**. The four sheets are described below:

Sheet A)   Activities that were **excluded** from TAB's assessment at the time of theprevious programme's application, or outside of programme's Scope of Eligibility in the pilot phase

Sheet B)   List of all methodologies / protocols that support activities described under Sheet A

Sheet C)   Additional activities that the programme wish to **exclude** from TAB's assessment

Sheet D)   List of all methodologies / protocols that support activities described under Sheet C

SHEET A: EXCLUDED ACTIVITIES *(Here, list activities that were **excluded** from TAB's assessment at the time of the previous programme's application, or is outside of programme's Scope of Eligibility in the pilot phase)*

Sector	Project/programme type(s)	Implementation level(s)	Geography(ies)
Not applicable	Not applicable	Not applicable	Not applicable

Methodology name	Unique Methodology / Protocol Identifier	Applicable methodology version(s)	Date of entry into force of most recent version	Prior versions of the methodology that are credited by the Programme (if applicable)	Greenhouse / other gases addressed in methodology	Web link to methodology
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Methodology name	Unique Methodology / Protocol Identifier	Applicable methodology version(s)	Date of entry into force of most recent version	Prior versions of the methodology that are credited by the Programme (if applicable)	Greenhouse / other gases addressed in methodology	Web link to methodology
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

SHEET C: ADDITIONAL EXCLUDED ACTIVITIES *(Here, list additional activities that the programme wish to **exclude** from TAB's assessment (if applicable, in case they are currently within the Scope of Eligibility in the pilot phase))*

Sector	Project/programme type(s)	Implementation level(s)	Geography(ies)
Not applicable	Not applicable	Not applicable	Not applicable

SHEET D: ADDITIONAL EXCLUDED METHODOLOGIES *(Here, list all methodologies / protocols that support activities described in Sheet D)*

Methodology name	Unique Methodology / Protocol Identifier	Applicable methodology version(s)	Date of entry into force of most recent version	Prior versions of the methodology that are credited by the Programme (if applicable)	Greenhouse / other gases addressed in methodology	Web link to methodology
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Methodology name	Unique Methodology / Protocol Identifier	Applicable methodology version(s)	Date of entry into force of most recent version	Prior versions of the methodology that are credited by the Programme (if applicable)	Greenhouse / other gases addressed in methodology	Web link to methodology
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Emissions Unit Programme Registry Attestation

(Version 3, January 2023)

PART A. Applicability and Instructions

1. Relevance and definitions:

   1.1. These terms are relevant to emissions unit programmes and their designated registries:

      1.1.1. *CORSIA Eligible Emissions Unit Programme:* emissions unit programme approved by the ICAO Council as eligible to supply emissions units under the CORSIA.

      1.1.2. *CORSIA Eligible Emissions Unit Programme-designated registry:* registry designated by a CORSIA Eligible Emissions Unit Programme to provide its registry services and approved by the ICAO Council as reflected in the programme's listing contained in the ICAO Document titled "*CORSIA Eligible Emissions Units*".

      1.1.3. *Material change:* any update to the procedures of an emissions unit programme or its designated registry that would alter the functions that are addressed in the Emissions Unit Criteria (EUC), related guidelines, or the contents of this attestation. This includes changes that would alter responses to questions in the application form that the programme has submitted to the ICAO Secretariat or contradict the confirmation of the registry's adherence to the requirements contained in this attestation.

      1.1.4. *Cancel:* the permanent removal and single use of a CORSIA Eligible Emissions Unit within a CORSIA Eligible Emissions Unit Programme designated registry such that the same emissions unit may not be used more than once. This is sometimes also referred to as "retirement", "cancelled", "cancelling" or "cancellation".

      1.1.5. *Business day:* defined by the CORSIA Eligible Emissions Unit Programme registry when responding to formal instruction from a duly authorized representative of the owner of an account capable of holding and cancelling CORSIA Eligible Emission Units.

   1.2. References to "Annex 16, Volume IV" throughout this document refer to Annex 16 to the Convention on International Civil Aviation — *Environmental Protection,* Volume IV — *Carbon Offsetting and reduction Scheme for International Aviation (CORSIA)*, containing the Standards and Recommended Practices (SARPs) for CORSIA implementation. Reference to "ETM, Volume IV" throughout this document refer to Environmental Technical Manual (Doc 9501), Volume IV — *Procedures for demonstrating compliance with the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)*, containing the guidance on the process to implement CORSIA SARPs.

2. Programme - registry relationship:

   2.1. The ICAO Council's Technical Advisory Body (TAB) conducts its assessment of emissions unit programme eligibility including an assessment of the programme's provisions and procedures governing the programme registry, as represented by the programme. The ICAO Council determines CORSIA eligible emissions units upon recommendations by TAB and

consistent with the EUC. The programme registry is not separately or independently considered throughout this process. The TAB may periodically review and report to the ICAO Council regarding the continued consistency of programme's registry and its administration with terms contained in this document's Part B.

2.2. The provision of registry services under the CORSIA by a CORSIA Eligible Emissions Unit Programme registry is fully subject to the terms, conditions and limitations to the programme's scope of eligibility. Such terms include, *inter alia*, the programme's commitment to administer any and all provisions and procedures governing the programme registry in the manner represented by the programme in the application form and additional information provided to TAB during the assessment process.

2.3. A CORSIA Eligible Emissions Unit Programme registry can provide registry services to aeroplane operators prior to the programme's and programme registry's demonstration of the registry's consistency with the registry requirements contained in this attestation. However, the programme registry can only claim to support and can only provide for aeroplane operators to fulfill the provisions in Annex 16, Volume IV and ETM, Volume IV involving emissions unit cancellation-, reporting-, and verification-related actions after its consistency with the registry requirements contained in this attestation is demonstrated by the programme in accordance with Part A, Paragraph 3 of this document, and the signed attestation is published on the CORSIA website in addition to the ICAO document "*CORSIA Eligible Emissions Units*".

3. Submitting an "*Emissions Unit Programme Registry Attestation*":

3.1. Both the administrator or authorized representative ("Programme Representative") of an emissions unit programme ("Programme"), and the administrator or authorized representative ("Registry Representative") of the registry designated by the Programme ("Programme Registry") will review and attest to their acceptance (as signed in Section 8 of this attestation) of all terms contained herein.

3.2. The Programme will electronically submit to the ICAO Secretariat a unique, dual-signed attestation for each and every Programme Registry that will provide its registry services to the Programme under the CORSIA:

3.2.1. If the Programme is determined to be eligible by a decision of the ICAO Council taken in 2020, the Programme will submit the signed attestation(s) to the ICAO Secretariat no later than one year after the Programme is determined to be eligible by the ICAO Council.

3.2.2. From 2021, the Programme should submit the signed attestation(s) to the ICAO Secretariat at the time of applying for assessment by the TAB. If the Programme is determined to be eligible by a decision of the ICAO Council after 31 December 2020, the Programme will submit the signed attestation(s) to the ICAO Secretariat no later than 180 days after the Programme is determined to be eligible by the ICAO Council.

3.3. As soon as possible upon receiving a signed attestation from the Programme, the ICAO Secretariat will:

3.3.1. Forward the signed attestation to the TAB; and

3.3.2. If the Programme is determined to be eligible by a decision of the ICAO Council, publicly post the signed attestation on the CORSIA website in addition to the ICAO document "*CORSIA Eligible Emissions Units*".

PART B: Emissions Unit Programme Registry Attestation

4. **Programme application materials**. As the Registry Representative, I certify items 4.1 to 4.4:

    4.1. I have read and fully comprehend the following information:

        4.1.1. The instructions and terms of this attestation;

        4.1.2. The contents of the ICAO document "*CORSIA Emissions Unit Eligibility Criteria*";

        4.1.3. The contents of the most recent version of the application form that the Programme has provided to the ICAO Secretariat; and

        4.1.4. The terms, conditions and limitations to the Programme's scope of eligibility and further action(s) requested to the Programme by the ICAO Council, as presented to the Programme upon relevant decision of the ICAO Council on the Programme's eligibility[1] for the 2024-2026 compliance period (First Phase).

    4.2. The Programme's representation of its provisions and procedures governing the Programme Registry, and of Programme Registry functionality, as contained in the most recent version of the application form that the Programme has provided to the ICAO Secretariat, is true, accurate, and complete, to the best of my knowledge;

    4.3. The Programme Registry will notify the Programme of any material changes to the Programme Registry, to enable the Programme to maintain consistency with relevant criteria and guidelines throughout its assessment by TAB and up to an eligibility decision by the ICAO Council; and, if applicable, continuing on from the effective date of an affirmative eligibility decision by the ICAO Council, the Programme Registry will notify the Programme of any material changes to the Programme Registry, such that the Programme can maintain consistency with relevant criteria and guidelines;

    4.4. The Programme Registry and Registry Representative will not publicly disseminate, communicate, or otherwise disclose the nature, content, or status of communications between the Programme, the Programme Registry, and/or the ICAO Secretariat, related to the status of the Programme's provision of programme and registry services under the CORSIA, unless the Programme has received prior notice from the ICAO Secretariat that such information has been and/or can be publicly disclosed.

5. **Scope of Programme responsibilities under the CORSIA**. As the Registry Representative, I acknowledge items 5.1 to 5.2:

    5.1. The scope of the Programme assessment by the TAB, through which the TAB will develop recommendations on the list of eligible emissions unit programmes (and potentially project types) for use under the CORSIA, which will then be considered by the ICAO Council for an eligibility decision, including the Programme's responsibilities throughout this process; and
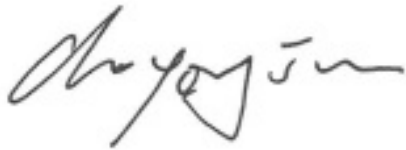
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[1] Only applicable when the Programme submits the signed "*Emissions Unit Programme Registry Attestation*" to the ICAO Secretariat after the Programme is determined to be eligible by a decision of the ICAO Council.

5.2. The scope and limitations of the ICAO Secretariat's responsibilities related to the assessment process.

6. **Programme - Registry relationship**. As the Registry Representative, I understand and accept items 6.1 to 6.2:

   6.1. The Programme Registry's provision of registry services under the CORSIA is subject to the terms, conditions and limitations to the Programme's scope of eligibility, as presented to the Programme upon relevant decision of the ICAO Council on the Programme's eligibility; and

   6.2. Only after the Programme and the ICAO Secretariat have completed all steps in Part A, Section 3 of this attestation, can the Programme Registry facilitate and identify emissions unit cancellations specifically for CORSIA use, and support any related reporting and verification activities. The Programme Registry will not promote itself as being capable of providing registry services for the described purpose until such time.

7. **Scope of Programme Registry responsibilities under the CORSIA**. As the Registry Representative, I certify items 7.1 to 7.12:

   7.1. The Programme Registry is capable of fully meeting the objectives of any and all Programme provisions and procedures related to the Programme Registry that the Programme is required to have in place:

   7.1.1. In the manner represented by the Programme in the application form that the Programme has provided to the ICAO Secretariat; and

   7.1.2. As acknowledged by the Programme in the signed "Programme acceptance to terms of eligibility for inclusion in the ICAO document "*CORSIA Eligible Emissions Units*"[2].

   7.2. The Programme Registry will not deny a CORSIA participant's request for a registry account solely on the basis of the country in which the requestor is headquartered or based;

   7.3. The Programme Registry will identify (in the case of applicants to be assessed to determine their eligibility) / identifies (when the Programme is determined to be eligible by a decision of the ICAO Council) CORSIA Eligible Emissions Units as defined in the ICAO document "*CORSIA Eligible Emissions Units*"[3]. This will be/is done consistent with the capabilities described by the Programme in its communications with ICAO, and any further requirements decided by the ICAO Council for CORSIA Eligible Emissions Unit Programme-designated Registry.

   7.4. The Programme Registry will, upon request of the CORSIA participant account holder or participant's designee, designate the participant's cancellation of emissions units for the purpose of reconciling offsetting requirements under the CORSIA, including by compliance cycle;

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[2] Only applicable when the Programme submits the signed "*Emissions Unit Programme Registry Attestation*" to the ICAO Secretariat after the Programme is determined to be eligible by a decision of the ICAO Council.
[3] As prescribed in the ICAO Document *"CORSIA Eligible Emissions Units",* the programme must provide for and implement its registry system to identify its CORSIA eligible emissions units as defined in the document.

7.5.	The Programme Registry will, within 1 – 3 business days of receipt of formal instruction from a duly authorized representative of the owner of an account capable of holding and cancelling CORSIA Eligible Emission Units within the registry, and barring system downtime that is scheduled in advance or beyond the control of the registry administrator, make visible on the Programme Registry's public website the account owners cancellations of CORSIA Eligible Emission Units as instructed. Such cancellation information will include all fields that are specified for this purpose in Annex 16, Volume IV, and ETM, Volume IV;

7.6.	The Programme Registry will, upon request of the CORSIA participant account holder or participant's designee, generate report(s) containing the information specified for this purpose in Annex 16, Volume IV, and ETM, Volume IV;

7.7.	The Programme Registry will maintain robust security practices that ensure the integrity of, and authenticated and secure access to, the registry data of CORSIA participant account holders or participants' designees, and transaction events carried out by a user; and disclose documentation of such practices upon request. The Programme Registry will utilize appropriate method(s) to authenticate the identity of each user accessing an account; grant each user access only to the information and functions that a user is entitled to; and utilize appropriate method(s) to ensure that each event initiated by a user (i.e. transfer of units between accounts; cancellation/retirement of a unit, update of data, etc.) is an intentional transaction event confirmed by the user. Such security features will meet and be periodically updated in accordance with industry best practice;

7.8.	The Programme Registry will, upon identifying any breach of Programme Registry data security or integrity that affects a CORSIA participant account holder or participant's designee, notify the CORSIA participant account holder or their designee, and notify the Programme, which will inform and engage with the ICAO Secretariat on the matter in the same manner as required for material deviations from the Programme's application form;

7.9.	The Programme Registry will ensure the irreversibility of emissions unit cancellations and the designation of the purpose of emissions units cancellations, as per the requirements contained in Annex 16, Volume IV, and ETM, Volume IV. Without prejudice to the aforementioned, such requirement would not prevent a Programme Registry from utilizing secure, time-bound and auditable methods for correcting unintentional user-entry errors;

7.10.	The Programme Registry will ensure that all cancellation information on its website is presented in a user-friendly format; is available at no cost and with no credentials required; is capable of being searched based on data fields; and can be downloaded in a machine-readable format, e.g., .xlsx;

7.11.	The Programme Registry will retain documents and data relevant to CORSIA Eligible Emissions Units and cancellations on an ongoing basis and for at least three years beyond the end date of the latest compliance period in which the emissions unit programme is determined to be eligible; and consistent with the Programme's long-term planning, including plans for possible dissolution;

7.12.	The Programme Registry will append a document to the end of the signed attestation describing how it will ensure its ability to implement the requirements of this document. This will include references to existing registry functionalities that already meet the

requirements of this document and/or description of business practices and procedures that ensure the Programme Registry's ability to implement the requirements in this document prior to identifying any emissions unit cancellations specifically for CORSIA use and supporting any related reporting and verification activities.

8. **Accuracy and completeness of information.** The signatures below certify that the information provided is true and correct in all material respects on the date as of which such information is dated or certified and does not omit any material fact necessary in order to make such information not misleading. Representatives are duly authorized for official correspondence on behalf of their organization.

_____	_____
Programme Representative Signature	Registry Representative Signature
Youngjun Cho	Nokyoung Kim
_____	_____
Programme Representative Name	Registry Representative Name
KCCI Carbon Standard (KCS)	KCS Registry (Centero)
_____	_____
Programme Name	Registry Name
Feb 28, 2024	Feb 28, 2024
_____	_____
Date	Date

Instructions for Registry Representative: Please append a document on the next page of this attestation describing your Registry's ability to implement the requirements of this document, including references to existing registry functionalities that meet the requirements of this document and/or description of business practices and procedures that ensure the Programme Registry's ability to implement the requirements of this document prior to identifying any emissions unit cancellations specifically for CORSIA use and supporting any related reporting and verification activities.

ATTACHMENT A: PROGRAMME REGISTRY ATTESTATION DISCLOSURE FORM

PART 1: INSTRUCTIONS FOR REGISTRY REPRESENTATIVE

The following information request corresponds to the registry representative's certification of its adherence to items 7.1 to 7.11 of the *Emissions Unit Programme Registry Attestation* "Scope of Programme Registry responsibilities under the CORSIA".

In accordance with item 7.12 of the *Emissions Unit Programme Registry Attestation,* registry administrators are to complete and append this form to the signed *Attestation* describing how the Registry will ensure its ability to implement the requirements of the *Attestation*. This includes references to existing registry functionalities that already meet the requirements of the *Attestation* and/or descriptions of business practices and procedures that ensure the Programme Registry's ability to implement the requirements in the *Attestation*.

For further guidance regarding the format and approaches for providing summary information and evidence of system functionalities and/or procedures in this form, refer to instructions for "**Form Completion**" in the *Application Form for Emissions Unit Programmes*[4].

PART 2: PROGRAMME AND REGISTRY REPRESENTATIVE INFORMATION

1. Programme Representative Information

A. Programme Information

Programme name: KCCI Carbon Standard (KCS)

Administering Organization[5]: KCCI Center for Carbon Reduction Certification

Official mailing address: 18F, 39 Sejong-daero, Jung-gu, Seoul 04513, Korea

Telephone #:   +82 (2) 6050-3827 to 3833

Official web address: KCS Registry (Centero)- http://kcs.centero.kr , KCCI- http://english.korcham.net

B. Programme Administrator Information (i.e., individual contact person)

Full name and title: Mr. Hyunsuk Kim, Expert Advisor of KCCI center for Carbon Reduction Certification

Employer / Company (*if not programme*): KCCI center for Carbon Reduction Certification

E-mail address: hkim@korcham.net; crcenter@korcham.net   Telephone #: +82 (2) 6050-3832

C. Programme Representative Information (if different from Programme Administrator)

Full name and title: Mr. Youngjun Cho, Executive Director of Sustainable Management Institution at KCCI

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[4] https://www.icao.int/environmental-protection/CORSIA/Pages/TAB.aspx

[5] **Please complete**, even if the name of the business, government agency, organization, or other entity that administers the Emissions Unit Programme is the same as *"Programme Name"*.

Employer / Company (*if not Programme*): Korea Chamber of Commerce and Industry (KCCI)

E-mail address: bestcho@korcham.net   Telephone #: +82 (2) 6050-3480

2. Registry Representative Information[6]

A. Registry Information

Registry / system name: KCS Registry (Centero)

Administering Organization: KCCI center for Carbon Reduction Certification

Official mailing address: 18F, 39 Sejong-daero, Jung-gu, Seoul 04513, Korea

Telephone #:   +82 (2) 6050-3827 to 3833

Official web address: http://kcs.centero.kr

B. Registry Administrator Information (i.e., individual contact person)

Full name and title: Mr. Kyoungjin Im, Senior Manager of KCCI center for Carbon Reduction Certification

Employer / Company (*if not Registry Administering Organization*): Korea Chamber of Commerce and Industry (KCCI)

E-mail address: lkj1@korcham.net   Telephone #: +82 (2) 6050-3830

C. Programme Representative Information (if different from Registry Administrator)

Full name and title: Mr. Nokyoung Kim, Head of KCCI center for Carbon Reduction Certification

Employer / Company (*if not Registry Administering Organization*): Korea Chamber of Commerce and Industry (KCCI)

E-mail address: econy@korcham.net   Telephone #: 82 (2) 6050-3804

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[6] **Please complete this section**, even if the business, government agency, organization, or other entity that administers the Emissions Unit Programme Registry is the same as the organization described in **Part 2. "*1. Programme Representative Information*"**.

PART 3: EVIDENCE OF ADHERENCE TO SCOPE OF REGISTRY RESPONSIBILITIES

7.1	Does the Programme Registry fully meet the objectives of any and all Programme provisions and procedures related to the Programme Registry that the Programme is required to have in place in the manner represented by the Programme in the application form that the Programme has provided to the ICAO Secretariat and, if applicable[7], as acknowledged by the Programme in the signed "Programme acceptance to terms of eligibility for inclusion in the ICAO document "*CORSIA Eligible Emissions Units*"?	☒ YES
	Describe how the Registry ensures its ability to implement these provisions:	
	KCS meets all the questions of the CORSIA application form presented by ICAO, which can be confirmed through the standards and requirements of KCS. In addition, it fully satisfies the qualification conditions for inclusion in CORSIA eligible emission units and has been recognized. In this regard, KCS follows the process to be implemented for emissions accounting and cross-checking of information in accordance with Article 6 of the Paris Agreement. KCS must review whether the KCS meet the standards guaranteed by the host country of the project and must be managed so that the certified reduction is not used twice. Please refer to Project Management Requirements > Article 35 > 1 > ① to ⑥. **[Project Management Requirements]** **Article 35 (Special Cases concerning Issuance of CORSIA Certification Results)** 1. Notwithstanding the provisions of this guideline, the following special cases apply in relation to the issuance of certification results to be used in the CORSIA system. ① The Project proponent intending to use certified reduction for the CORSIA system shall submit written document that publicly guaranteeing that the concerned Project certified reduction will not be double used for CORSIA implementation of airlines, national NDC achievement or other form of Project, etc. from the country where the certification results occur (hereafter the "host country") prior to application for registration of the Project. ② The Project proponent shall notify KCCI Center for Carbon Reduction Certification immediately in the event of a change in the relevant policy of the host country or a change in guarantee for the relevant Project in relation to the documents submitted pursuant to subparagraph 1. ③ KCCI Center for Carbon Reduction Certification shall separately classify the Project certification results issued with the issuance account of the Projects registered in accordance with Item 1, and transfer part of the Project certification results to the CORSIA buffer account considering the risk of project implementation and issue the Project certified reduction to the account held by the Project proponent for the amount excluding the transferred amount. ④ KCCI Center for Carbon Reduction Certification shall review whether the reductions recognition criteria of KCS conform to the reductions recognition criteria guaranteed by the host country of the Project applying for registration pursuant to Subparagraph 1 and shall manage to ensure that certified reduction is not double used. Nevertheless, KCCI Center for Carbon Reduction Certification shall compensate the CORSIA-related institution for the certified reduction corresponding to the canceled certified reduction in the CORSIA buffer account	

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[7] Only applicable when the Programme submits the signed "*Emissions Unit Programme Registry Attestation*" to the ICAO Secretariat after the Programme is determined to be eligible by a decision of the ICAO Council.

		if the Project certified reduction under subparagraph 1 is canceled due to double use, etc.
		⑤ If the certified reduction in subparagraph 4 is revoked due to reasons attributable to the Project proponent, KCCI Center for Carbon Reduction Certification shall immediately retrieve the certified reduction corresponding to the revoked certified reduction from the proponent's account. If the certified performance of the Project proponent's account fails to reach the amount collected, the Project proponent shall immediately procure the shortfall, and pay a certain ratio accumulated over the elapsed date if the procurement is delayed.
		KCCI center for Carbon Reduction Certification shall record and preserve the progress from Items 1 to 5 and submit the relevant records upon request from CORSIA-related organizations.
		In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*
		The full contents are presented in KCS Registry, and which can be downloaded (PDF format in English version) and is publicly available at this weblink:

References	Direct weblinks (Links to KCS registry)
Project Management Requirement of KCS ver. 1.1	Click here

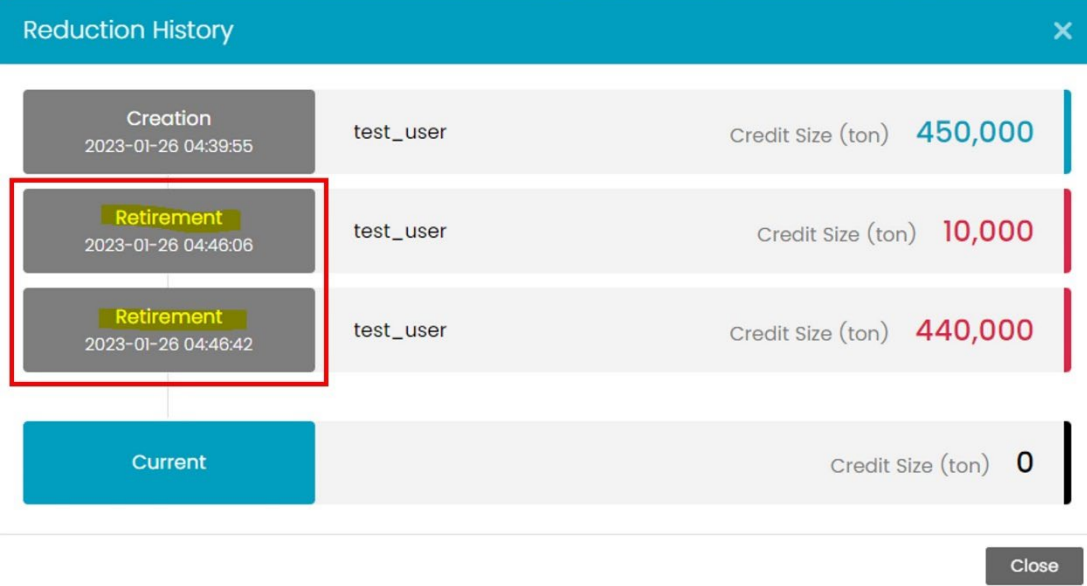|		
7.2	Will the Programme Registry ensure that a CORSIA participant's request for a registry account will not be denied solely on the basis of the country in which the requestor is headquartered or based?	☒ YES
	Describe how the Registry does or will implement this provision:	
	KCS will not discriminate CORSIA participants by any factor such as gender, race, country of origin, economic level, or apply special standards, and will evaluate them based on fair and impartial standards and will guarantee participants' free will to register and trade. In addition to this, The KCS programme provides certification for methodologies and Project Plans written in English as well as Korean language.	
	In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*	
	The KCS registry is managed as per Registry Management Requirement and of which policy can be downloaded (PDF format in English version) and is publicly available at the weblink listed below.	

References	Direct weblinks (Links to KCS registry)
Terms and Conditions of KCS Registry	Click here

	KCS Registry Policy of Collection and use of personal information		Click here
	Registry Management Requirement of KCS ver. 1.1		Click here

7.3	Will the Programme Registry (in the case of applicants to be assessed to determine their eligibility)/Does the Programme Registry (when the Programme is determined to be eligible by a decision of the ICAO Council) identify / label its CORSIA eligible emissions units as defined in the ICAO Document "*CORSIA Eligible Emissions Units*"?	☒ YES
	Describe how the Registry does or will implements this provision:	
	KCS has CORSIA's provisions for issuance of certified results in its standards and requirements to label it when it is determined as a CORSIA-qualified emission unit. Please refer to Project Management Requirements > Article 35 > 1 > ③. **[Project Management Requirements]** **Article 35　(Special Cases concerning Issuance of CORSIA Certification Results)** 1. Notwithstanding the provisions of this guideline, the following special cases apply in relation to the issuance of certification results to be used in the CORSIA system. ③ KCCI Center for Carbon Reduction Certification shall separately classify the Project certification results issued with the issuance account of the Projects registered in accordance with Item 1, and transfer part of the Project certification results to the CORSIA buffer account considering the risk of project implementation and issue the Project certified reduction to the account held by the Project proponent for the amount excluding the transferred amount.	
	In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*	
	The labelling function for CORSIA eligible emissions units in KCS has been developed by its registry system named Centero at http://kcs.centero.kr as demonstration shown below.	

On the above image, you may recognize the label of CORSIA eligible and options to select it.

7.4	Will the Programme Registry, upon request of the CORSIA participant account holder or participant's designee, designate the participant's cancellation of emissions units for the purpose of reconciling offsetting requirements under the CORSIA, including by compliance cycle?	☒ YES
	Describe how the Registry does or will implement these provisions:	
	KCS complies with CORSIA requirements, such as the compliance cycle, and will take necessary measures, such as cancelling emission units, if necessary, at the request of the account holder or designee.	
	In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme	

Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*

The function for participant's cancellation of emissions units to reconcile offsetting requirements has been developed by its registry system named Centero at http://kcs.centero.kr as demonstration shown below.

In addition, all the records of credit amount, date, and time that have been retired are stored on the server in real time and each account holder can figure out its history as demonstration shown below.

In addition to this, detailed information on each project is provided respectably. In case of detail information on valid KCS credits, the full contents are presented in Credit info summary menu at KCS Registry and also are publicly available at this weblink : Click here

7.5	a. Will the Programme Registry, within 1 – 3 business days of receipt of formal instruction from a duly authorized representative of the owner of an account capable of holding and cancelling CORSIA Eligible Emission Units within the registry, and barring system downtime that is scheduled in advance or beyond the control of the registry administrator, make visible on the Programme Registry's public website the account owner's cancellations of CORSIA Eligible Emission Units as instructed.	☒ YES
	b. Will such cancellation information (row a) include all fields that are specified for this purpose in Annex 16, Volume IV, and ETM, Volume IV?	☒ YES
	Describe how the Registry does or will implement these provisions: a) The KCS' system of Centero is a registry that can be updated in real time, and when the account holder or the representative executes a cancellation, the credit is immediately retired, and the record is left on the server. b) All the cancellation information of CORSIA Eligible Units would be posted on the website for noticing if it is necessary.	
	In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*	
	The KCS registry is managed according to Registry Management Requirement and which can be downloaded (PDF format in English version) and is publicly available at this weblink: Click here	

7.6	Will the Programme Registry, upon request of the CORSIA participant account holder or participant's designee, generate report(s) containing the information specified for this purpose in Annex 16, Volume IV, and ETM, Volume IV?	☒ YES
	Describe how the Registry does or will implement this provision:	
	KCS provides the information upon request of the CORSIA participant account holder or participant's designee on its website Centero at http://kcs.centero.kr. In detail, after signing in the system, the certificate form with CORSIA Eligible Unit that has been approved and issued can be generated whenever necessary, through the download button to click on each record.	
	In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*	
	The function of generating the reports has been developed by its registry system named Centero at http://kcs.centero.kr as demonstration shown below.	

After clicking on the download button, all the project information, required by Annex 16, Volume IV, and ETM, Volume IV, including the start and end dates of monitoring, are marked in the form of a serial number, and the information is stored on the server as a form of blockchain, as demonstration shown below.

In addition to this, detailed information on each project is provided respectably. In case of detail information on valid KCS credits, the full contents are presented in Credit info summary menu at KCS Registry and also are publicly available at this weblink : Click here

7.7	a. Does the Programme Registry maintain robust security practices that ensure the integrity of, and authenticated and secure access to, the registry data of CORSIA participant account holders or participants' designees, and transaction events carried out by a user?	☒ YES

b. Does the Programme Registry disclose documentation of such practices (row a) upon request?	☒ YES
c. Does the Programme Registry utilize appropriate method(s) to authenticate the identity of each user accessing an account?	☒ YES
d. Does the Programme Registry grant each user access only to the information and functions that a user is entitled to?	☒ YES
e. Does the Programme Registry utilize appropriate method(s) to ensure that each event initiated by a user (i.e. transfer of units between accounts; cancellation/retirement of a unit, update of data, etc.) is an intentional transaction event confirmed by the user?	☒ YES
f. Do such security features (rows a – e) meet and undergo periodic updates in accordance with industry best practice?	☒ YES

Describe how the Registry implements each provision in rows a – f:

a) The Centero system of KCS program, which stores registries, is operated by security experts with many years of experience. The security experts on this system regularly inspect system vulnerabilities, and when vulnerabilities are discovered, security plans for vulnerabilities and checks are conducted.
b) The document of Centero Service Terms and Conditions, which describes basic principles for operating is open to the public on Centero site at http://kcs.centero.kr and other documents might be disclosed if it is necessary.
c) Centero creates and grants accounts for corporations and individuals, and in each case, the user's identity is authenticated by general and appropriate ways such as business registration certificate issued by the government or minimized personal information.
d) The system of Centero provides only necessary information and functions suitable for users and does not collect or store unnecessary personal information. Also, the Centero system defines several types of accounts for a Project Developer, VVB, and provides Certification Program according to the type of user, so that the accessible areas are divided according to each account type.
e) In case the account user initiates the event of transaction, the Centero system collects and identifies the user's identity and those transaction information at the payment stage, as well as account registration stage in proper ways, operating with its security program.

All the procedures such as registry registration, transactions are managed and recorded by Centero system that can sufficiently check the user's intention, and these practices are periodically checked and improved through regular system monitoring and feedback.

In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*

Regarding the answer c), the Centero system requires minimized personal information as demonstration shown below.

The full contents are presented in KCS Registry, and which can be downloaded (PDF format in English version) and is publicly available at this weblink:

https://www.centero.kr/StaticContent/Documents/Account/Consent_to_Collection_and_Use_of_Personal_Information.pdf

7.8	a. Will the Programme Registry, upon identifying any breach of Programme Registry data security or integrity that affects a CORSIA participant account holder or participant's designee, notify the CORSIA participant account holder or their designee?	☒ YES
	b. Will the Programme Registry, upon identifying any breach of Programme Registry data security or integrity that affects a CORSIA participant account holder or participant's designee, notify the Programme, which will inform and engage with the ICAO Secretariat on the matter in the same manner as required for material deviations from the Programme's application form?	☒ YES
	Describe how the Registry does or will implement each provision in rows a and b:	
	a) All registries are stored on Centero system, which always maintains the highest security through vulnerability inspections by experts, but in the event of data security or integrity violation, system improvement measures would be given to prevent damage and notify the relevant CORSIA participant account holder or their designee. b) In addition to the above, ICAO Secretariat will be notified in case of any breach of Programme Registry data security or integrity.	
	In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation*.	
	The KCS registry is managed according to Registry Management Requirement and which can be downloaded (PDF format in English version) and is publicly available at this weblink: Click here	

	Does the Programme Registry ensure the irreversibility of emissions unit cancellations and the designation of the purpose of emissions units cancellations, as per the requirements contained in Annex 16, Volume IV, and ETM, Volume IV[8]?	☒ YES
7.9	Describe how the Registry implements these provisions:	
	KCS is aware of that some projects have the possibility of reversal and will deal with reversal issue according to KCS Reversal Risk Analysis and Buffer Account Operation Guideline. Please refer to the Guideline 4-3. Reversal Risk Analysis and Buffer Operation Criteria > 1 > C. **[Guideline 4-3] Reversal Risk Analysis and Buffer Operation Criteria** **1. Buffer Amount Calculation and Buffer Operation Criteria** **C. Obligation to Notify Reversal** A Project proponent must notify KCCI Center for Carbon Reduction Certification **immediately** upon learning of an unintentional or intentional reversal or decision to terminate the Project early. Such notice shall include the amount of the offset affected by the reversal ("Expected Loss Offset"), a description of how the expected loss offset was determined, a description of the nature and cause of the reversal, and all other relevant facts. Project proponents must promptly and completely implement any request from KCCI Center for Carbon Reduction Certification for additional information or analysis related to reversal, including the burden of costs. The Project proponents must report the the actual offset amount lost due to the reversal verified by the 3rd party auditor and the results of reconducting '2. Project Implementation Risk Analysis' in this document, at its own expense, to KCCI Center for Carbon Reduction Certification **within 6 months after the reversal occurs** ("confirmed loss offset amount").	
	In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*	
	The full contents are presented in KCS Guideline 4-3 and which can be downloaded (PDF format in English version) and is publicly available at this weblink: Click here	

	a. Does the Programme Registry ensure that all cancellation information on its website is presented in a user-friendly format?	☒ YES
	b. Does the Programme Registry ensure that all cancellation information on its website is available at no cost and with no credentials required?	☒ YES
7.10	c. Does the Programme Registry ensure that all cancellation information on its website is capable of being searched based on data fields?	☒ YES
	d. Does the Programme Registry ensure that all cancellation information on its website can be downloaded in a machine-readable format, e.g., .xlsx?	☒ YES
	Describe how the Registry implements each provision in rows a – d:	
	a) All registry information is provided through an online-based website in a way that maximizes user convenience.	

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[8] Without prejudice to the aforementioned, such requirement would not prevent a Programme Registry from utilizing secure, time-bound and auditable methods for correcting unintentional user-entry errors.

b) All cancellation information is available without extra payment.
c) The Centero site provide all cancellation information regarding credits on user's own page named My page, after signing in.
d) KCS have a function to download into excel format, when users cancel theirs' own credit. In addition, the credit will be dimmed or turned into gray-colored card and visually check out on the website.

In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*

Regarding the answer d), the system presents a status information, including the cancellation on the website as demonstration shown below.

	a. Will the Programme Registry retain documents and data relevant to CORSIA Eligible Emissions Units and cancellations on an ongoing basis and for at least three years beyond the end date of the latest compliance period in which the emissions unit programme is determined to be eligible?	☒ YES
	b. Will the Programme Registry retain documents and data relevant to CORSIA Eligible Emissions Units and cancellations consistent with the Programme's long-term planning, including plans for possible dissolution?	☒ YES
7.11	Describe how the Registry does or will implement each provision in rows a and b:	
	a) As required by CORSIA, KCS' all processes of CORSIA-Eligible credits and cancellations on an ongoing basis will be stored at least 3 years through the Centero site, and the site is maintained through strict security policy and simulation such as mock hacking tests. b) In addition, in the event of dissolution of the KCS program, Korea Chamber of Commerce and Industry will keep the data continuously for continuous operation.	

In the field below, provide link(s) to any web-based evidence of existing registry functionalities and/or of documents demonstrating business practices and procedures for the Programme Registry's implementation of these provisions. Alternatively, or in addition, confirm that such evidence is included as an attachment to this *Emissions Unit Programme Registry Attestation.*

Matters related to the storage of data, including personal information can be checked in the terms and conditions when registering as a member in the KCS registry system and are provided below and on the site at https://www.centero.kr/Account/AccountAgreement

In addition, regarding the long-term operation of the KCS program, basically there is a contract to use Centero until 2033 for 10 years as shown in the document below (versed in Korean).

Copy of Usage Contract with Centero Platform as the electronic registry of KCS Programmme

부속서 1. 계약일반조건
2. 서비스 공급내역서
3. Centero Price List

Centero 플랫폼 서비스 이용 계약서

제1조 (목적)
본 Centero 플랫폼 서비스 이용계약(이하 "본 계약"이라 함)은 SK주식회사(이하 "공급자")가 대한상공회의소(이하 "사용자")에게 센테로(영문명 : "Centero")플랫폼 서비스(이하 "Centero 서비스")를 제공하는 것과 관련된 권리와 의무, 그 밖에 필요한 기본적인 사항을 규정함을 목적으로 한다.

제2조 (계약의 범위)
① 공급자는 사용자에게 Centero 서비스를 제공하며, 구체적인 서비스 내용과 수행 방법 및 가격 등의 세부 내용은 부속서 1. 계약일반조건, 2. 서비스 공급내역서, 3. Centero Price List 에 따른다.
② Centero 서비스의 제공에 관하여 본 계약에서 달리 정하는 경우를 제외하고, 양 당사자가 2023.02.22 자로 체결한 '자발적 탄소 시장 활성화를 위한 사업 공동 개발 업무 협약서(이하 "기본협약")'의 제 3 조 제 1 항에 따라 기본협약이 적용된다.

제3조 (계약의 효력 및 기간)
① 서비스 이용기간은 2023 년 02 월 24 일부터 2033 년 02 월 23 일(10 년 간)로 한다. 양 당사자는 계약기간이 2 년 경과하는 시점마다 부속서 3. Centero Price List 의 변경에 대해 협의한다.
② 서비스 이용기간 내에 기본협약 제 2 조 제 7 항의 독립법인(이하 "독립법인")이 출범하는 경우, 해당 독립법인은 본 계약에서 정하는 사용자의 권리·의무를 승계한다.

사용자 : 대한상공회의소
서울특별시 중구 세종대로 39
회장 최 태 원

공급자 : SK 주식회사
경기도 성남시 분당구 성남대로 343번길9 SK U-타워
(본점 : 서울 종로구 종로26)
사장 윤 풍 영

English Translation on the marked in red as shown above:

- This Centero Platform Service Use Agreement (hereinafter referred to as this Agreement) is the rights and obligations related to the provision of Centero (English name: Centero) platform service (hereinafter referred to as Centero Service) by SK Corporation (hereinafter referred to as Provider) to the Korea Chamber of Commerce and Industry (hereinafter referred to as User). The purpose is to stipulate other necessary basic matters.

- This contract to use the service is come into effect from February 24, 2023 to February 23, 2033 (10 years).

- Sealed by Taewon Chey, a chairman of Korea Chamber of Commerce and Industry (KCCI) at 39 Sejong-daero, Jung-gu, Seoul, on behalf of the user.

Furthermore, the KCCI center for Carbon Reduction Certification is planning to become an independent corporation by around 2025 for mid- to long-term operation.