	<b>INTERNAL REGULATIONS OF THE TECHNOLOGY AND INNOVATION COMMITTEE OF THE BOARD OF DIRECTORS OF ECOPETROL S.A.</b>		
	<b>CORPORATE GOVERNANCE SYSTEM GENERAL SECRETARY</b>		
	<b>CODE GOC-R-013</b>	<b>Prepared 13/11/2020</b>	<b>Version: 2</b>

## CHAPTER 1: OBJECTIVE AND SCOPE OF APPLICATION

**Article 1. Nature and Objective.** The Technology and Innovation Committee of the Board of Directors of ECOPETROL S.A. (“Ecopetrol” or the “Company”), hereinafter referred to as the “Technology Committee” or “Committee”, is a body to assist the stewardship carried out by the Board of Directors, is permanent in nature and is governed by these internal regulations, without prejudice to the provisions set forth in the Company's bylaws and applicable law.

The Committee understands and analyzes, within the framework of its duties and beforehand, the matters that will be submitted for the consideration of the Board of Directors and, as appropriate, will issue its recommendations so that it can adopt the decisions that may arise.

**Article 2. Scope of application.** These regulations will be of general and mandatory application for the members of the Technology Committee.

Additionally, in the fulfillment of their duties and responsibilities, the members of the Committee shall observe the operating principles contained in the Internal Regulations of the Board of Directors.

## CHAPTER 2: COMMITTEE STRUCTURE

**Article 3. Structure.** The Technology Committee will include at least three (3) members of the Board of Directors, who will be appointed thereby for periods of two (2) years.

The majority of its members must be independent. The members of the Committee must have training or experience in matters related to their duties.

The duties of the members of the Committee will cease, always, upon to the completion of the period for which they have been appointed, by decision of the member of the Board of Directors to not continue on the Committee or if they cease to be a member of the Board of Directors of Ecopetrol.


**Paragraph.** For the appointment of its members, in the case of members of the Board of Directors who have been re-elected, the Board will consider the results of the assessment made by the Board of Directors.

**Article 4. Chairman of the Committee.** The members of the Committee will elect its Chairman from among its members, who must be an independent member and will preside over the meetings. They will be elected for periods of two (2) years.

The Chairman of the Committee will act as a representative of the Technology Committee before the Board of Directors, and therefore will report thereto regarding the obligations assigned to the administration, the recommendations for the Board of Directors and the matters discussed within said Committee.

**Article 5. Secretary of the Committee.** The General Secretary of the Company will act as Secretary of the Technology Committee, or whoever acts in their stead, and will be in charge of convening the meetings, coordinating the logistics needed for the celebration thereof, the review and update of the commitments and the preparation of the corresponding minutes.

**Article 6. Committee participants.** The Secretary, the President of Ecopetrol, or in exceptional cases and after informing the Committee a representative thereof, will participate in each Committee session, and shall have a voice but no vote. Members of the Board of Directors who are not members of the Committee may also attend under these same conditions.

	<b>INTERNAL REGULATIONS OF THE TECHNOLOGY AND INNOVATION COMMITTEE OF THE BOARD OF DIRECTORS OF ECOPETROL S.A.</b>		
	<b>CORPORATE GOVERNANCE SYSTEM GENERAL SECRETARY</b>		
	<b>CODE GOC-R-013</b>	<b>Prepared 13/11/2020</b>	<b>Version: 2</b>

Additionally, those individuals whose attendance the Committee deems necessary for the course of the meeting may attend as guests.

### CHAPTER 3: COMMITTEE MEETINGS

**Article 7. Meetings.** For the effective fulfillment of its duties, the Technology Committee will meet ordinarily at least two (2) times a year, and extraordinarily when convened by the Board of Directors, by any of the Committee members, by the President of the Company or by the Chairman of the Board of Directors.

The meetings of the Committee may be held at the domicile of the Company or in the site established thereby, or in a remote manner, through the previously defined mechanism on the date and time it so determines.

When all the members of the Committee are gathered, in-person and/or remotely, they may constitute a session thereof, without a prior convening, if they so agree unanimously.

Minutes approved by the same Committee will be prepared after the meetings, which will be signed by hand or electronically. In the case of in-person meetings, said minutes will be signed by the Chairman and Secretary of the Committee.

In the case of remote meetings or if other decision-making mechanisms were implemented, said minutes will be signed by the President of Ecopetrol and the Secretary of the Committee.

**Paragraph.** The Committee may hold private sessions during its ordinary or extraordinary meetings; the Chairman of the Committee will inform the Secretary who should be invited to such sessions, if applicable.

Additionally, the Committee may meet jointly with any other Committee of the Board of Directors.


**Article 8. Convening the Meeting.** The call to ordinary meetings will be done once a year, with the approval of the Board of Directors of the annual schedule of the meetings of the Board of Directors and its Committees, and will be ratified by the Secretary no less than five (5) calendar days in advance thereof. The extraordinary meetings will be convened by means of a communication sent to each of its members not less than five (5) calendar days in advance of the meeting date. Said communication may be sent through any suitable means.

**Article 9. Deliberative and Decisive Quorum.** The Committee may validly deliberate as long as at least two (2) of its members attend the meeting. The decisions are made by a majority of the votes cast by the members present. If the vote ends in a tie, the matter is submitted for the consideration of the Board of Directors.

### CHAPTER 4: COMMITTEE DUTIES

**Article 10. Duties.** The Technology and Innovation Committee will have the following duties:

1. Appoint the Chairman and Secretary for those sessions where the incumbents of those position are absent.
2. Present to the Board of Directors, via the Chairman of the Committee, the report on matters discussed in the sessions, as well as their recommendations for the Board of Directors.
3. Prepare the annual management report of the Committee, to be included in the Integrated Sustainable Management Report.

	<b>INTERNAL REGULATIONS OF THE TECHNOLOGY AND INNOVATION COMMITTEE OF THE BOARD OF DIRECTORS OF ECOPETROL S.A.</b>		
	<b>CORPORATE GOVERNANCE SYSTEM GENERAL SECRETARY</b>		
	<b>CODE GOC-R-013</b>	<b>Prepared 13/11/2020</b>	<b>Version: 2</b>


4. Intervene in the undertakings related to their duties whose aim is, in their opinion, the best course of action for the Company. For this purpose, it may request the administration to provide reports and/or carry out special tasks.
5. Analyze, within the framework of its duties and beforehand, those matters for which the President of the Company requests the input of the Board of Directors as an advisory body and issue its recommendation on the matter.
6. Review and recommend for the consideration and decision of the Board, when appropriate, the reports that the President of Ecopetrol must render on the work carried out by the Company in Technology and Innovation matters.
7. Provide an opinion to the Business Committee, so that it in turn provides its recommendations to the Board, in that related to the management of information and technology projects.
8. Understand the technological infrastructure and review the digital services portfolio and digital services model used by Ecopetrol S.A. and the Ecopetrol Group for the development of their operations and business.
9. Periodically review the status of existing business technology programs and the use of emerging technologies in the Company and the Ecopetrol Group.
10. Periodically review new opportunities for development and innovation in the use of emerging technologies and monitor the progress of the implementation of new initiatives.
11. Review and monitor the digital strategy, including that of the Ecopetrol Group, as well as computer security, cyber security, cyber defense, privacy and data recovery strategies and the operating models.
12. Review, monitor and provide feedback on the strategic business technology plan for Ecopetrol S.A. including: (1) technologies to be developed, improved and incorporated; (2) technological drivers and differentiators; (3) competitive advantages; (4) possible strategic allies; and (5) prospects and trends.
13. Monitor the processes included in the Technology and Innovation Matrix, which are only applicable to the Company.
14. Any other task entrusted to it by the Board of Directors and, in general, all other duties that relate thereto in accordance with the legal regulations applicable to the Company in view of the nature and purpose of the Committee.

**Paragraph.** By decision of the Board of Directors, the duties of the Committee, in due course, may be exercised by the Board of Directors even if they have not been acknowledged and studied by the Committee.

## CHAPTER 5: AMENDMENTS TO THE REGULATIONS AND PUBLICATION

**Article 11. Approval and amendment of the regulations.** These regulations will be unanimously adopted and amended by the Committee, after notifying the Corporate Governance and Sustainability Committee. Any initiatives on this matter that the Board and/or the Technology Committee may have will follow the same abovementioned procedure.

These regulations will be published on the website [www.ecopetrol.com.co](http://www.ecopetrol.com.co) or whichever acts in its stead.

	<b>INTERNAL REGULATIONS OF THE TECHNOLOGY AND INNOVATION COMMITTEE OF THE BOARD OF DIRECTORS OF ECOPETROL S.A.</b>		
	<b>CORPORATE GOVERNANCE SYSTEM GENERAL SECRETARY</b>		
	<b>CODE GOC-R-013</b>	<b>Prepared 13/11/2020</b>	<b>Version: 2</b>

**LIST OF VERSIONS**

Previous Documents			
Version	Date mm/dd/yyyy	Document Code and Title	Changes
1	20/09/2019	GOC-R-013 Internal regulations of the Technology and Innovation Committee of the Board of Directors of Ecopetrol S.A.	Drafting of document.
2	13/11/2020	GOC-R-013 Internal regulations of the Technology and Innovation Committee of the Board of Directors of Ecopetrol S.A.	Updated regulations taking into account the amendment of the Bylaws of Ecopetrol S.A., approved by the General Shareholders' Meeting of March 27, 2020.  These regulations become effective as of October 22, 2020, date of approval by the Technology Committee of the Board of Directors of Ecopetrol S.A.

**For further information, please contact:**

**Author(s):** Lizeth Vanessa Perdomo Buitrago

**Telephone:** +57 (1) 234 4000 ext. 43269 **Email:** [lizeth.perdomo@ecopetrol.com.co](mailto:lizeth.perdomo@ecopetrol.com.co)

**Unit:** Liaison of Advisory to Corporate Bodies of the General Secretary and Assistant to the President

Electronically reviewed by:	Electronically approved by:
<p><b>DIANA CÁRDENAS BALLESTEROS</b> Advisory Coordinator to Social Bodies Colombian Citizenship ID No. 65.631.673 Liaison of Advisory to Social Bodies</p>	<p><b>MÓNICA JIMÉNEZ GONZÁLEZ</b> General Secretary Colombian Citizenship ID No. 52.411.766 General Secretary &amp; Assistant to the President</p>
<p><i>Electronically signed document, in accordance with the provisions set forth in Decree 2364 of 2012, whereby Article 7 of Law 527 of 1999, on electronic signatures and other provisions is regulated.</i> To verify compliance with this mechanism, the system generates an <b>electronic report that provides evidence on the traceability of the review and approval actions</b> by the responsible parties. If you need to verify this information, request this report from the Service Desk</p>	