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Public Consultation on Macro actions and Deliverables of the National Quality Infrastructure Strategy (ENIQ)

1. Summary

The Quality Infrastructure (QI) is understood as a system comprising institutions (public and private) along with the policies, legal and regulatory frameworks, and practices needed to support and enhance the quality and safety of goods, services, and processes, while also protecting the environment. It serves as a cross-cutting strategic tool to support public policies in areas such as industrial innovation, foreign trade, the green economy, and micro and small enterprises, among others.

The elements of QI include Metrology, Technical Regulation, Standardisation, Conformity Assessment, Accreditation, and Market Surveillance. Brazil's current QI was conceived in the 1970s and has grown organically over the last few decades. However, it remains fragmented and under-utilized. Therefore, through Conmetro Resolution No. 1 of 2023, the ad hoc Technical Advisory Committee for Quality Infrastructure (CTIQ) was created, chaired by the Secretariat for Competitiveness and Regulatory Policy (SCPR), with the purpose, among others, of formulating the National Strategy for Quality Infrastructure (ENIQ) and its 1st Biennial Action Plan. The strategy will have a 10-year horizon, with biennial action plans. Its formulation is a collaborative process.

Inputs were obtained from:

- Analysing documents and studies on the subject (desk research)
- Public consultations
- A questionnaire applied to CTIQ members
- A nationwide survey carried out by the National Confederation of Industry (CNI) with around 2,000 companies between October 2 and 10, 2023
- Three "QI in Focus" events, one of which was a Technical Dialogue
- Three Technical Dialogues in workshop format to encourage participation and engagement of the various players involved
- Videoconferences for international benchmarking
- Three meetings of the CTIQ

The work resulted in a proposal for the ENIQ's purpose, vision, strategic axes, objectives, macro actions, and potential deliverables. These reflect the contributions made by participants in the ENIQ formulation process and will be further developed in the Biennial Action Plans.

1. Analysing contributions from stakeholder consultations on the priority areas of the New Industry Brazil, which closes on August 26, 2024
2. Holding a public consultation on the ENIQ's macro-actions and deliverables
3. Analysing the contributions received
4. Presentation of the ENIQ proposal and the 1st Action Plan at the CTIQ
5. Presentation of the proposal by the CTIQ to Conmetro
6. Deliberation by Conmetro and launch of the ENIQ
7. Publication of the ENIQ and the 1st Action Plan 2025-2026

SCPR invites everyone to submit contributions on the macro-actions and deliverables of the ENIQ, which will serve as the basis for the Strategy proposal and the 1st Biennial Action Plan 2025-2026.

Thank you for your contributions.

Annex (The document is available for download at the bottom of the page):

- ENIQ formulation timetable and ENIQ Logic Model

2. Structure of the ENIQ

The National Quality Infrastructure Strategy - ENIQ will be established for the period 2025 to 2034.

ENIQ's purpose: to promote the use of QI as a transversal strategic tool to support public policies, enhance organizational efficiency, and improve competitiveness.

Vision for 2034: To have Quality Infrastructure that is valued by Brazilian society and recognized as an international benchmark.

ENIQ's strategic axes and objectives are:

Axis I - Governance and Institutional Strengthening: To promote the integration, institutional strengthening, synergy, and systemic vision among stakeholders for coordinated action in QI.

Axis II - QI Services: to expand, optimise and modernise QI services so that they are available and adequate to meet the needs of Brazilian society.

Axis III - Innovation: fostering innovative QI and promoting the use of QI to support innovation in the Brazilian economy.

Axis IV - Digital Transformation: promoting the digital transformation of QI and applying QI to stimulate and support the digital transformation of the Brazilian economy.

Priority V - Brazil's International Insertion: fostering Brazil's active and coordinated role in international forums related to QI and contributing to improving the image of Brazilian products and services abroad and access to markets.

Axis VI - Communication and Awareness: creating a culture of quality from which society recognises, values and uses the quality infrastructure.

Axis VII - Training and Education of Human Resources: developing and strengthening competences and skills to achieve the objectives of the players in the supply and demand of QI.

Axis VIII - Compliance, Integrity and Transparency: strengthening the confidence of stakeholders in the quality infrastructure and promoting the practice of ethical behaviour, integrity and transparency in government actions and in relations between the public and private sectors.

Axis IX - Legal and infra-legal frameworks: promoting cooperation and collaboration between QI stakeholders to modernise legal and infra-legal frameworks, raising awareness of the use of QI in a more transparent, appropriate, up-to-date and efficient manner.

Axis X - Sustainable Development: expand the use of QI to support sustainable development and promote the monitoring and achievement of the Sustainable Development Goals.

Implementation of the ENIQ

Implementation of the ENIQ

The ENIQ will be implemented through two-year action plans containing macro-actions and deliverables aimed at achieving the strategic objectives.

Each deliverable will involve the execution of one or more projects that will contribute to its achievement.

To facilitate the monitoring of deliverables, coordinators will be defined. The coordinator of each deliverable will be responsible for monitoring the project(s) related to it and periodically reporting on its progress to Conmetro. The body or entity that nominates a project to be included in a deliverable will be responsible for its feasibility and must periodically report progress to the deliverable coordinator.

The catalogue of potential deliverables and the updated biennial action plans will be made available electronically.

Conmetro will be responsible for coordinating, monitoring and evaluating the implementation of the ENIQ, defining indicators and targets, and defining the methodology for monitoring and evaluating the implementation of the ENIQ.

The two-year action plans will be approved by Conmetro Resolution.

The delivery catalogue may be revised in accordance with the procedure defined by Conmetro.

At the end of the penultimate year of the ENIQ, a general evaluation of the Strategy will be carried out with a view to deciding whether to continue or end it.

Delivery Catalogue and process for drawing up the 1st Action Plan 2025-2026.

As a result of the suggestions and contributions received during the process of formulating the ENIQ, 34 macro-actions were identified as well as 122 associated deliverables, which together will contribute to achieving the strategic objectives.

The catalogue of these deliverables will serve as the basis for the formulation of the Strategy's biennial Action Plans over its 10 years. The process of updating the catalogue and defining the Biennial Action Plans will be iterative.

3. Purpose

The purpose of this consultation is to collect contributions for defining the macro-actions and deliverables of the National Quality Infrastructure Strategy, identifying candidates for delivery coordinators, and nominating projects.

4. Objectives

§ To encourage the participation of society and stimulate mobilisation and engagement with the ENIQ.

§ Promote transparency in the decision-making process, allowing society to contribute to the construction of the ENIQ.

§ Disseminate the catalogue of deliverables drawn up based on the contributions received during the ENIQ formulation process.

§ To offer QI stakeholders the opportunity to apply for participation in the implementation of the ENIQ as a delivery coordinator.

§ Identify ongoing or potential projects that could contribute to achieving the deliverables; and

§ To subsidise the preparation of the 1st Biennial Action Plan 2025-2026.

5. Target audience

Stakeholders and society in general.

6. Deadline, form of participation and results

The Public Consultation to build the National Quality Infrastructure Strategy will be open to contributions for sixty days, until 30 September 2024.

It is not necessary to fill in all the fields or answer all the questions; a single response is sufficient for the submission to be considered valid.

Contributions can be made by clicking on the icon on the right-hand side of each item.

In the field referring to each macro-action or deliverable, it will be possible to submit suggested wording adjustments, as well as indicate ongoing or planned projects related to that deliverable. In the description of the project, if it has a fixed deadline, include the month and year of start and completion.

It will also be possible to express interest and availability to coordinate one or more deliverables, indicating the corresponding code, as well as suggesting new deliverables. The submission of an application to act as coordinator is not binding.

Contributions received after the deadline, those not related to the subject and objectives of the call, or those containing offensive or inappropriate language will be disregarded and marked as invalid.

If you have any questions about how to fill in the form, please send an e-mail to: CTIQ@mdic.gov.br Inform in the subject of the message: Public Consultation National Quality Infrastructure Strategy.

Participants' e-mail, telephone and CPF data will not be disclosed and are protected in accordance with the General Personal Data Protection Law (LGPD), Law No. 13,709/2018.

The suggestions and contributions gathered in this consultation are non-binding and will be considered in the Brazilian government's decision-making process.

1 AXIS 1: GOVERNANCE AND INSTITUTIONAL STRENGTHENING

Macro Actions

Potential Deliverables

1.1 Promote the coordination of actors for systemic, integrated and synergistic action

1.1.1 Promote broad and systemic communication between institutions responsible for technical regulation, conformity assessment, standardisation, metrology, accreditation and market surveillance

- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.

1.1.2 Benchmark tools for receiving and addressing QI-related demands, as well as methodologies for defining priorities

- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.

1.1.3 Promote the participation of regulators in standardisation activities, including awareness-raising and training for regulators, and foster greater interaction between technical regulations and technical standards

- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.

1.1.4 Revise of the Guide to Good Regulatory Practice, including recommendations for assessing existing QI and identifying any QI needs in the process of drafting technical regulations

- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.
- 1.1.5 Benchmark experiences of interaction between market surveillance and other elements of QI**
- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.
- 1.2 Encourage the use of QI to support public policies**
- 1.2.1 Map QI bottlenecks and challenges for the implementation of priority public policy programs, and design projects to address these issues**
- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.
- 1.3 Evaluate and update the QI governance mechanism, as well as the roles and responsibilities of the actors**
- 1.3.1 Restructure Conmetro and its Technical Committees, to provide effective governance for QI in Brazil, through the revision of Decree No. 9.043/2017 and Conmetro Resolutions related to its structure and operation**
- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.
- 1.3.2 Survey potential alternatives and develop proposals for managing Conmetro's regulatory stock in relation to governance, including the revision of legal and normative acts on the matter**
- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.
- 1.3.3 Benchmark alternative institutional models and best QI practices, and potentially propose adjustments to the model**
- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.
- 1.4 Strengthen and improve the performance of QI actors**
- 1.4.1 Prepare a Risk Management report within the scope of Conmetro, focusing on the effective performance of the National Standardisation Body, the National Accreditation Body and the National Metrology Institute**
- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.
- 1.4.2 Inmetro's Regulatory Model**
- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.
- 1.4.3 Exchange of experiences and information, best practices and diagnoses of market surveillance systems and prepare improvement projects**
- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.
- 1.5 Monitor and Evaluate ENIQ**
- 1.5.1 Survey and consolidate available QI data, and define indicators and targets**
- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.

1.5.2 Monitor and evaluate the implementation of the ENIQ Action Plans

- If the entity or body you represent has ongoing or planned project(s) related to this delivery, please state which one(s), with a brief description.

1.5.3 Conduct studies on the impact of QI on the country

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

2 AXIS 2: QI SERVICES

Macro Actions

Potential Deliverables

2.1 Expand access to QI services, including MSEs

2.1.1 Improve instruments and partnerships that provide technical and financial support for MSEs to utilise QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

2.1.2 Create funding lines through development agencies for specific projects related to QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

2.1.3 Include QI projects in the strategic plans of funding agencies.

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

2.1.4 Benchmark and map the Sectoral Quality Programmes, identifying bottlenecks and challenges to assess their maturity, needs for improvement, and the potential development of a roadmap to strengthen and develop them

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

2.1.5 Develop a market intelligence mechanism to identify demands for QI services, including access to foreign markets

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

2.2 Adapt the provision of QI services

2.2.1 Map QI bottlenecks in each region and prepare and implement projects for regional expansion of QI services, with priority given to the North, Northeast and Rio Grande do Sul regions

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

2.2.2 Promote technical and financial support instruments for the implementation of quality infrastructure in the North and Northeast Regions and support the reconstruction of QI in Rio Grande do Sul

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

2.2.3 Assess and dimension the supply of public QI services based on public policy needs

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 2.2.4 Create funding lines through development agencies for specific projects to offer QI services**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 2.3 Improve the laboratory infrastructure of the National Metrology Institute (NMI) and designated laboratories**
- 2.3.1 Develop a mechanism for the continuous mapping of metrological needs and the definition of national priorities, along with the articulation of financing for the necessary infrastructure to meet these priorities**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 2.3.2 Expand and maintain the country's measurement capacities to meet demands**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 2.3.3 Implement a system for the sale of Reference Materials Certified (RMC) by the National Metrology Institute**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 2.3.4 Development of RMCs by the National Metrology Institute to meet the needs of the productive sector and support the implementation of public policies**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 2.3.5 Map potential sources of funding for NMI's laboratory infrastructure**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 2.3.6 Establish specific funding programmes for QI**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 2.4 Improve accreditation services in Brazil**
- 2.4.1 Map bottlenecks and challenges in the accreditation process and propose improvement, including discussion on flexible scope accreditation**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3 AXIS 3: INNOVATION

Macro Actions

Potential Deliverables

3.1 Incorporate QI as an integral part of the innovation process

3.1.1 Promote dialogue between industry, academia, and QI players, and establish strategic alliances to develop partnerships, including workshops and matchmaking events

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.1.2 Encourage projects between companies and ICTs in the field of QI for the development of new technologies

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.1.3 Map promotion instruments related to Science, Technology and Innovation that can support QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.1.4 Disseminate knowledge about the relationship between innovation and quality infrastructure, including through events or communication campaigns

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.1.5 Include QI requirements in calls for innovation incentives to identify and indicate the QI needed for projects

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.1.6 conduct a feasibility study on the creation of test centres for strategic sectors, which would function as innovation and experimentation hubs associated with commercial use

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.2 Encourage the use of technical standards to support innovation

3.2.1 Promote of the use of the NBR/ISO 56000 series of standards by actors in the innovation ecosystem, including through training sessions, seminars and online publications

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.2.2 Encourage the involvement of innovation specialists in the drafting of technical standards

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.3 Promote the adaptation of technical regulations and conformity assessment procedures to support innovation

3.3.1 Conduct a public consultation to identify technical regulations that inhibit innovation, with the aim of addressing the issues and suggesting their inclusion on the regulatory agendas of the competent bodies

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.3.2 Disseminate knowledge and exchange on experience on regulatory experimentation practices

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

3.4 Promote innovation in QI services

3.4.1 Organise regular events focused on innovation in QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

4 AXIS 4: DIGITAL TRANSFORMATION

Macro Actions

Potential Deliverables

4.1 Promoting the improvement of QI-related processes

4.1.1 Design and implement a project to create a digital ecosystem for the automated collection and sharing of data and information on quality infrastructure among QI stakeholders

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

4.1.2 Collect inputs, analyse and discuss the possible creation of a single window with a digitalised and integrated process for conformity assessment procedures

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

4.1.3 Gather input, analyse and discuss the possible creation of a platform for a digitalised and integrated process for market surveillance

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

4.1.4 Collect information, analyse and discuss to develop a pilot project for a digital product passport for the traceability of applicable quality infrastructure information

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

4.1.5 Exchange information on the use of artificial intelligence in QI to improve and optimise processes, including through events and communication campaigns

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

4.1.6 Share information on smart standards to support Industry 4.0, including events and communication campaigns

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

4.1.7 Exchange information on the adoption of digital technologies for conformity assessment and remote calibration to enhance current tools, including through events and communication campaigns

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

4.1.8 Digitalisation of accreditation scopes

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.1.9 Digitalisation of accreditation symbols**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.1.10 Map the infrastructure needs related to information and communication technology of the actors that fulfil the roles of National Metrology Institute, National Standardisation Body and National Accreditation Body to promote digital transformation and develop proposals for improvements**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.1.11 Improve digital tools and integrating IT systems**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.1.12 Launch the Inmetro Digital Mark and “Inmetro na Palma da Mão”**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.2 Facilitating access to systematised QI information related to products and services**
- 4.2.1 Design and implement a project to create a module for suppliers to consult regulations and conformity assessment procedures applicable to products and services, with a subsequent expansion to applicable technical standards, to integrate into a single digital platform**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.2.2 Improve a tool to provide information to suppliers on regulations and conformity assessment procedures applicable to products and services in foreign markets**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.2.3 Design and implement a project to create a module offering quality infrastructure services, to be integrated into a single digital platform**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.2.4 Design and implement a project to create a module for training offers in quality infrastructure, to be integrated into a single digital platform**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.2.5 Design and implement a project to create a module for disseminating content on quality infrastructure, to be integrated into a single digital platform**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 4.3 Promoting interoperability between systems and information relevant to QI and the use of QI for cybersecurity and data security**

4.3.1 Promote the use of the NBR/ISO 27000 series of standards by organisations

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

5 AXIS 5: BRAZIL'S INTERNATIONAL INTEGRATION

Macro Actions

Potential Deliverables

5.1 Coordinate Brazil's strategic participation in international QI forums and increase its influence

5.1.1 Define strategic guidelines and priorities for Brazil's participation in international organisations, including a mechanism for formulating the Brazilian position and providing systematic feedback

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

5.1.2 Develop a strategy to make Brazil's participation in international forums and negotiations financially viable and to ensure its continuity

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

5.1.3 Create a strategy to systematically increase Brazil's proactivity in international standardisation

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

5.1.4 Prepare a study on essential patents, including the collection and analysis of relevant data and information

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

5.2 Promote the strategic use of QI in trade policy, including trade negotiations, to expand market access for Brazilian products and services abroad

5.2.1 Establish an ongoing mechanism to collect and disseminate information on QI both nationally and internationally, with the aim of supporting trade policy

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

5.2.2 Define strategic guidelines to support Brazil's participation in international negotiations on QI issues

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

5.2.3 Map QI needs in Brazil to support Brazilian exports and develop projects for improvements

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

5.2.4 Identify obstacles to the acceptance of test results and certifications issued in Brazil by accredited CABs by other countries

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

5.3 Encourage the export of QI services

5.3.1 Map potential demand for Brazilian QI services abroad

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6 AXIS 6: COMMUNICATION AND RAISING AWARENESS

Macro Actions

Potential Deliverables

6.1 Broaden knowledge about QI and its importance, contributing to its appreciation and use by society

6.1.1 Map the communication initiatives of QI stakeholders

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.1.2 Produce and disseminate content to enhance knowledge about QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.1.3 Conduct educational activities on the importance of QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.1.4 Develop a communication strategy

If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.1.5 Implement, monitor, and review the communication strategy

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.1.6 Organize events and fairs related to QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.2 Encourage the participation and engagement of the public and private sectors in QI communication and awareness-raising activities

6.2.1 Hold an annual meeting on QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.2.2 Establish regular dialogue channels between the public and private sectors through meetings and working groups, and foster public-private partnerships to promote the dissemination of QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.2.3 Publicize market surveillance plans and their results

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.2.4 Disseminate sectoral quality programmes and their results

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

6.3 Sensitise strategic authorities to demonstrate the benefits of QI

7 AXIS 7: CAPACITY BUILDING AND TRAINING OF HUMAN RESOURCES

Macro Actions

Potential Deliverables

7.1 Promote the continuous training of human resources and increase the number of qualified staff working in QI

7.1.1 Map institutions and training initiatives in QI, disseminate information about the available courses to encourage greater use by society, and propose expansions to the training supply based on demand

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.2 Organise seminars and workshops for training purposes

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.3 Prepare technical publications and guides related to quality infrastructure

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.4 Continuously update content to reflect the latest trends and technological advances in the field of quality infrastructure

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.5 Promote technical and scientific cooperation and exchange initiatives in QI

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.6 Encourage the inclusion of QI content in programs and projects run by MDIC, APEX, ABDI, MCTI, ENAP, and other relevant organizations

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.7 Conduct training actions for consumer protection organisations

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.8 Organise QI training activities for the judiciary

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.9 Organise QI training actions for control bodies

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.10 Implement QI training activities for the legislative branch

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

7.1.11 Offer QI training for the Federal Revenue Service

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 7.1.12 Provide training courses and technical assistance on quality infrastructure for MSEs**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 7.2 Improve the curricula of higher education and technical courses by including content related to QI**
- 7.2.1 Map existing QI-related subjects in higher education and technical courses, and develop a project to expand their provision**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8 AXIS 8: COMPLIANCE, INTEGRITY AND TRANSPARENCY

Macro Actions

Potential Deliverables

- 8.1 Strengthen mechanisms to combat unfair practices, fraud and non-compliant products and services, including on e-commerce platforms**
- 8.1.1 Facilitate the exchange of information, share experiences, and explore initiatives to enhance the effectiveness of market surveillance and consumer protection bodies**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 8.1.2 Identify bottlenecks and challenges in certification processes and corrective actions for non-compliant products, and propose improvement**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 8.1.3 Benchmark best practices to combat the marketing of fraudulent and/or non-compliant products and services in e-commerce, as well as unfair practices**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 8.1.4 Explore potential alternatives and develop proposals to address the commercialisation of fraudulent and/or non-compliant products and services in e-commerce, as well as unfair practices**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 8.1.5 Implement pilot projects to test mechanisms aimed at reducing the commercialisation of fraudulent and/or non-compliant products and services in e-commerce, as well as unfair practices**
- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.
- 8.2 Improve instruments for effective monitoring and compliance with applicable laws and regulations, as well as ensure due accountability**

8.2.1 Utilise technological tools, including AI, to support market surveillance

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.2.2 Continuously generate information to support authorities' strategic actions to ensure compliance

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.2.3 Conduct international benchmarking and map current legislation on accountability, and prepare proposals for improvements and pending regulations

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.2.4 Map and monitor key court rulings related to quality infrastructure

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.2.5 Create a mechanism for managing QI-related information

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.2.6 Establish a centralised reporting channel for non-compliant and dangerous products, ensuring an effective and rapid response

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.2.7 Adopt a digital and integrated procedure for market surveillance

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.3 Increase transparency and social participation in integrity and market surveillance actions

8.3.1 Promote greater involvement of CABs in the market surveillance process

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.3.2 Launch initiatives to educate and raise awareness among suppliers and consumers, as well as support market surveillance

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.3.3 Encourage the use of NBR/ISO standards related to organizational governance

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

8.4 Establish mechanisms to promote integrity practices and prevent conflicts of interest

8.4.1 Identify potential conflicts of interest related to QI within the country

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

9 AXIS 9: LEGAL AND INFRA-LEGAL FRAMEWORKS

Macro Actions

Potential Deliverables

9.1 Make the legal and infra-legal frameworks for QI more transparent, secure, predictable and up to date

9.1.1 Map the main bottlenecks and issues in normative acts and legal provisions related to QI in Brazil, and propose possible revisions

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

9.1.2 Continuously monitor proposed legislative acts related to QI in Brazil

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

9.1.3 Manage Conmetro's regulatory stock and prepare and implement the Council's regulatory agenda

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

9.1.4 Collect information, analyse, and discuss Article 39, VIII, of the Consumer Defence Code

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

9.1.5 Map normative acts applicable to the use of QI in public procurement, including related judicial and control body decisions

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

9.2 Disseminate and encourage the use of good regulatory practices for technical regulators and other QI stakeholders

9.2.1 Share normative acts, documents, and BRP practices with QI stakeholders, and promote their adoption

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

9.3 Stimulate regulatory coherence in the national regulatory framework

9.3.1 Map overlaps and gaps in technical regulations and conformity assessment procedures among different actors, and prepare a proposal for improvement

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

10 AXIS 10: SUSTAINABLE DEVELOPMENT

Macro Actions

Potential Deliverables

10.1 Promote the use of QI in mechanisms, schemes and programs related to economic, environmental and social development

10.1.1 Promote the use of NBR/ISO standards related to the ESG agenda by organisations

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

10.1.2 Utilise QI in the *Selo Verde* and *Selo Amazonia* programs

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

10.1.3 Apply QI to support the establishment of a carbon market in Brazil

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

10.1.4 Map QI bottlenecks and challenges for the implementation of priority public policy programs, and design projects to address these issues

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

10.2 Stimulate the development of QI services to meet the demands of sustainable development

10.2.1 Map the needs for QI services related to sustainable development and promote the supply of these services

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

10.3 Promote the use of QI elements to help measure the fulfilment of sustainable development goals and other international commitments

10.3.1 Map methodologies for measuring the UN Sustainable Development Goals and adopt instruments to support these measurements

- If the entity or body you represent has ongoing or planned project(s) related to this deliverable, please state which one(s), with a brief description.

If the organisation or body you represent is interested and willing to coordinate one or more deliveries, please indicate the corresponding code(s).

If you would like to suggest the inclusion of other deliverable(s), please indicate which one(s) and which macro-action it would correspond to?