



Twinning Fiche

Project title: Strengthening of institutional as well as human capacities of Georgian National Agency for Standards and Metrology (GEOSTM) according to the international/EU best practices

Beneficiary administration: Georgian National Agency for Standards and Metrology (GEOSTM), Ministry of Economy and Sustainable Development of Georgia

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EU funded project
TWINNING TOOL

List of Abbreviation:

AA- Association Agreement
BA – Beneficiary Administration
BIPM – International Bureau for Weights and Measures
CAB – Conformity Assessment Body
CEN - European Committee for Standardization
CENELC – European Committee for Electrotechnical Standardization
CIB – Comprehensive Institutional Building Programme
CIPM MRA – CIPM Mutual Recognition Arrangement
COOMET – The Euro-Asian Cooperation of National Metrological Institutions
CPR - Construction Products Regulation (EU) No 305/2011
DCFTA – Deep and Comprehensive Free Trade Area
EMPIR – European Metrology Programme for Innovation and Research
EN – European Standard
EURAMET – The European Association of National Metrology Institutes
European R&D – European Research and Development
GEOSTM – Georgian National Agency for Standards and Metrology
GAC – Georgian Accreditation Center
ILC- Inter-laboratory Comparison
IMS - Information Management System
IEC - The International Electrotechnical Commission
ISO – International Standardisation Organisation
MID – Measuring Instruments Directive (2014/32/EU)
MoESD – Ministry of Economy and Sustainable Development of Georgia
MRA - Mutual Recognition Arrangement
MS – Member State
NAWI –Non-automatic Weighing Instruments Directive (2014/31/EU)
NMI – National Metrology Institute
NSB – National Standards Body
OIML – International Organisation for Legal Metrology
PA – Public Administration
PAR – Public Administration Reform
PAO – Programme Administration Office
PL – Project Leader
PSC – Project Steering Committee
PT – Proficiency Testing
QMS – Quality Management System
RTA – Resident Twinning Adviser
SME - Small and Medium Enterprises
STE – Short Term Expert
TBT – Technical Barriers to Trade
TCSA - Technical and Construction Supervision Agency
WTO – World Trade Organisation

1. Basic Information

1.1 **Programme:** EU support for the Implementation of the EU-Georgia Association Agreement, ENI/2018/041-415 Direct Management

1.2 **Twinning Sector:** Standardization and certification, Trade & Industry (EC)

1.3 **EU funded budget:** EURO 1.400.000

2. Objectives

2.1 Overall Objective(s):

The overall objective of the project is to support Georgia in fulfillment of the obligations under EU-Georgia Association Agreement (AA), DCFTA and Association Agenda in the field of Standardization and Metrology, as well as further to enhance the standardization and metrology infrastructure and services in accordance with the European and International best practices.

2.2 Specific objective:

The specific objective of the project is further to strengthen institutional as well as human capacities of Georgian National Agency for Standards and Metrology (GEOSTM) to meet the requirements derived from the AA and DCFTA through continued legal approximation process, development of National Quality Infrastructure Institutions, alignment of GEOSTM's practices and procedures to the EU ones as well as broadening network in the field of Metrology and Standardization, with special focus on European research programs.e.g. EMPIR).

2.3 The elements targeted in strategic documents i.e. National Development Plan/Cooperation agreement/Association Agreement/Sector reform strategy and related Action Plans

The Twinning project is fully in line with the requirements of the EU-Georgia Association Agreement (AA), including DCFTA particularly TBT chapter, Association Agenda 2017-2020 (p. 2.5 Trade and Trade Related Matters, (Technical Regulations, Standardization and Related Infrastructure) and aims to support further effective implementation and fulfillment of the objectives set out in the Agreement.

The AA, Title IV, Chapter 3, Article 47 stipulates that Georgia shall take the measures necessary in order to gradually achieve approximation with the Union's technical regulations, standards, metrology, accreditation, conformity assessment, corresponding systems and market surveillance system, and undertakes to follow the principles and the practice laid down in the relevant Union *acquis*. In relation to this twinning project following important obligations under Association Agenda and DCFTA should be mentioned:

- Approximating Georgia's legislation to the relevant EU legislation as envisaged by the AA
- Developing infrastructure related to administration of standards, technical regulations, metrology, market surveillance, accreditation, conformity assessment procedures
- Facilitating the preparation and adaptation of stakeholders including economic operators for the implementation of approximated legislation
- Further staff training for administration of responsible government bodies and agencies

DCFTA Implementation National Action Plan for 2018-2020², targets the following elements to be implemented:

- Adoption of the International and European Standards as a Georgian Standards; Particularly the harmonized standards referred in sectoral directives, specified in Annex III-A (TBT) of the AA;
- Support preparatory proces for approximation in the field of metrology with directives MID (Measuring Instruments Directive) and NAWI (Nonautomatic weighing instruments) and in stadnardisation field further approximation with general principles of regulation EU 1025/2012;
- To continue the process of upgrading the equipment base of laboratories in priority fields in order to provide improved services and to implement activities needed for maintaining/achieving

² <http://www.dcfta.gov.ge/public/filemanager/implimentation/2018-2020%20DCFTA%20AP.pdf>

international recognition of priority reference laboratories to increase access to the internationally recognised metrological services for enterprises, laboratories, interested parties;

- To increase capacities and awareness of interested parties, including small and medium enterprises through the seminars/round tables, workshops;
- To increase capacity of the staff in the field of standardisation and metrology.

The Social-Economic Development Strategy of Georgia 2020³ envisages reforms in the fields of reducing technical barriers to trade in order to consistently meet the obligations assumed under the EU-Georgia Association Agreement including the obligations concerning approximation and further alignment of national systems in the field of metrology, standardization, accreditation, conformity assessment, technical regulation and market surveillance, with European ones.

Under Strategic Direction 4: Export promotion and SME Internationalization within the Government Platform 2016-2020, development of national quality infrastructure (standardization, metrology, accreditation, and conformance evaluation) is very important in terms of eliminating technical barriers to trade.

The Government Programme for 2019-2020⁴ once again underlines the importance and commitment to continue the effective implementation of the EU AA with the DCFTA. The programme envisions modernization and transformation of different priority areas in line with European standards; Make specific steps towards sectoral integration with the EU, thus positioning the country closer to the sectoral norms and policies of the EU.

The objectives and results of this Twinning project will contribute and support implementation of the goals of **Strategy for development of Small and Medium enterprises (SME Strategy) of government of Georgia⁵**, as well as the SME strategy implementation Action plan (approved by the Governmental decree #582, 28 December 2017). In particular, the Twinning project will contribute to the implementation of SME Action plan, Strategy direction 4: “Export Promotion and SME Internationalization”.

- 4.1.4 Provide information regarding the services of National Quality Infrastructure (NQI) Institutions (Metrology, Standardization, Accreditation) as well as regarding the benefits and application of these services in support of expert capacities;
- 4.1.5 Increase the range and fields/scopes of services offered by NQI Institutions to business and other interested parties.
- 4.1.6 Provide information to business sector on benefits and opportunities appear from DCFTA.

3. Description

3.1 Background and justification:

Background

GEOSTM is a legal entity of public law within the system of the Ministry of Economy and Sustainable Development of Georgia (MoESD). GEOSTM is one of the key institutions in the area of quality infrastructure responsible for Metrology and Standardization fields, respectively important player in TBT area. Main legislative framework in National Quality Infrastructure is the Georgian Law “The Code on Safety and Free Movement of products”⁶ which was adopted in 2012. The Code is the main document where all relevant laws regulating the national quality infrastructure in Georgia are collected. It covers following areas: standardization, metrology, technical regulation, technical supervision of hazardous objects, accreditation and conformity assessment. The Code also incorporates the main principles of the 2 horizontal EU directives: The General Product Safety Directive and Product Liability Directive.

³ http://www.mrdi.gov.ge/sites/default/files/social-economic_development_strategy_of_georgia_georgia_2020.pdf

⁴ http://gov.ge/files/41_73525_555908_GovernmentProgram2019-2020.pdf

⁵ http://www.economy.ge/uploads/files/2017/ek_politika/eng_sme_development_strategy.pdf

⁶ <https://matsne.gov.ge/en/document/download/1659419/7/en/pdf>

GEOSTM plays one of the key role in the process of approximation with the respective EU legal acts, particularly in relation to III A and III B of DCFTA TBT chapter. GEOSTM is involved actively in preparation of drafts of respective Georgian technical regulations as far as GEOSTM is responsible for availability of EU harmonized standards, their linkage and reference in legislative acts.

Main functions of GEOSTM are related to Metrology and Standardization field. GEOSTM has two main structural units respectively dealing with mentioned fields:

(1) Institute of Metrology: is in charge of development and maintenance of state measurements standards and reference materials, maintenance of the register of types of legal measuring instruments, verification and approval of the measuring instruments; It ensures participation of national measurement standards in international and/or regional key and supplementary comparisons; Metrology Institute provides traceability of measurements through calibrations of the measuring instruments to interested parties; performs verification of legal measuring instruments as well as conducts expert measurements in case of the disputes regarding the measurement results.

(2) Department for Standards: is in charge of development, adoption and registration and distribution of standards, maintenance of the registry of standards, ensuring registration of national, international and regional standards; WTO TBT enquiry point – provides information on the technical regulations, standards and conformity assessment procedures of WTO member states, notifying WTO in the respect of technical regulations, standards, conformity assessment procedures in force in the field of technical regulation of Georgia;

Pursuant to the international and EU best practices in the field of quality infrastructure, number of reforms were implemented since 2005. Particularly second stage of reforms was implemented in light of negotiations on the Association Agreement (AA) and the Deep and Comprehensive Free Trade Agreement (DCFTA). As mentioned above the DCFTA Action Plan (2018-2020) defines responsibilities and actions to be carried out by different institutions, including measures to be undertaken by GEOSTM.

As TBT was identified as priority field for AA and DCFTA, the respective institutions including GEOSTM were selected to become beneficiaries of different EU support programs e.g. Comprehensive Institutional Building (CIB) program. In the framework of CIB program significant progress was achieved in terms of renovation of physical infrastructure including laboratory premises, modernization of equipment base, capacity building of staff in the field of standardization and metrology and finally significant extensions of the scope of international recognition of reference laboratories of GEOSTM Metrology Institute.

At present, one of the main challenge for GEOSTM is further smooth realization of legal approximation process according to the DCFTA TBT chapter and its annexes. This challenge is related to both - obligations related to Metrology and standardization field (MID, NAWI directives, EU regulation 1025). It is also related to responsibilities of GEOSTM to support legal approximation process and implementation of other directives listed in ANNEX III A of DCFTA, through identification, adoption, translation, understanding how to implement etc. of harmonized European standards, as a body responsible for standardization. The proposed twinning project will focus on strengthening and further development capacities of GEOSTM, with emphasis on support to legal approximation process, capacity building of staff as well as support in terms of better understanding technical and other requirements of respective EU directives/regulations and related harmonized standards.

This support of legal approximation from GEOSTM is very important also for other institutions responsible for different EU directives e.g. Market Surveillance authorities (Technical and Construction supervision Agency TCSA), Georgian Accreditation Center (GAC), conformity assessment bodies, calibration and testing laboratories etc. To ensure adoption and further enforcement of respective directives the general market surveillance system was identified and long term action plan on the "Market surveillance of industrial and consumer products " developed (Government Order №641, 30 December 2016).

Other important players in this regard are:

- the Ministry of Internally Displaced Persons from Occupied Territories, Labor, Health and Social Affairs of Georgia responsible for the directives and regulation in medical field (Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices,) and
- Georgian National Communications Commission and Ministry of Economy and Sustainable Development of Georgia responsible for Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment.

Justification

In order to ensure implementation of the obligations given in the Association Agreement in accordance with the Article 46-47, Georgia should continue to take necessary measures for alignment to the EU's technical regulations, standardization, metrology, accreditation, conformity assessment systems and market supervision system and follow the principles and methods set out in the relevant legislation of the European Union. Particularly GEOSTM is directly responsible for two elements from the list above - standardization and metrology, and indirectly contributes and supports other elements e.g. accreditation through provision of traceability to laboratories and conformity assessment bodies, availability of standards for accreditation, conformity assessment system, market surveillance system.

GEOSTM ensures availability of European harmonized standards in one hand, and supports laboratory capacities through provision of traceability on another, in the approximated areas. At this stage, the 7 EU directives/regulations have been approximated in Georgia: the EP and Council Directive 95/16/EC on lifts, Directive 2000/9/EC on cableways, Directive 97/23/EC on Pressure Equipment, 2009/105/EC on simple pressure vessels, Directive 92/42/EEC on hot-water boilers, and Directive 2013/53/EU on recreational craft and personal watercraft, and partly for several products Regulation (EU) No 305/2011 of the EP and of the Council of 9 March 2011 on construction products (partly with regards of selected products: Cement; Electrical Cables, plastic pipes, reinforced steel).

This Twinning project will support further strengthening and alignment of Georgian Standardization and Metrology system and will contribute to development of accreditation, market surveillance and conformity assessment systems through provision of relevant standards and ensuring traceability of measurements for laboratories, inspection bodies, enterprises in priority sectors approximated according to timeframes given in annex III A.

Special attention will be paid to ensure that legal approximation process supported under this Twinning project will be according to the national framework on policy development, national unified methodologies for regulatory impact assessment and for legal approximation, and to the better regulation approach supported also at the EU level⁷. A better regulation approach requires that policies and legislation are prepared on the basis of the best available evidence (impact assessments) and according to an inclusive approach involving both internal and external stakeholders.

Furthermore, building on the lessons learnt and the Better Regulation agenda promoted at the EU level⁸, this Twinning project will contribute to the overall public administration reform in Georgia by ensuring the introduction of an inclusive and evidence-based approach to policy-making and legal drafting in the respective sector. It will also pay specific attention to accountability and reporting lines between concerned institutions.

GEOSTM will ensure involvement of the representatives of other responsible authorities and stakeholders in the activities that will be undertaken within the project (MoESD, TCSA, GAC, public agencies, business representatives etc.) and smooth and coordinated work of the established inter-agency working group, which should ensure consistency of actions performed.

3.2 Ongoing reforms:

During recent years, Georgia made progress in regards to approximation of Georgian legislation with Union *acquis*, particularly in TBT sector. Seven EU new approach directives and/or regulations are already

⁷ http://ec.europa.eu/info/strategy/better-regulation-why-and-how_en

⁸ http://ec.europa.eu/info/files/better-regulation-better-results-eu-agenda-0_en

approximated and respective Georgian technical regulations are adopted by Government of Georgia. For those, which are, already approximated GEOSTM is responsible for making available respective standards, particularly harmonized European standards, on one hand and ensuring needed traceability of measurements and availability of internationally recognized services in priority fields of measurements, on another.

GEOSTM is participating in relevant international/regional organizations e.g. ISO, ICE, BIPM, OIML, CEN, CENELEC which are platform to discuss and follow the policies, rules and procedures based on established practice and update according to international practices, as well as EU regulations.

The process of dynamic approximation with relevant Union *acquis* and recent changes in number of EU legislation listed in annex IIIA both in terms of already approximated directive/regulations as well as in those, which are forthcoming, become a matter for further reforms and possible changes.

General Policy and legislative process

The National Policy Planning System Reform Strategy, adopted by the Government of Georgia in August 2015 recognizes the current weak link between the policy planning process and legislation drafting, the absence of practice of legislative impact assessment and the weak institutional capacity of ministries in legal drafting. The OECD/SIGMA 2018 assessment in the policy development and coordination area highlights a number of weaknesses in the quality of policy planning (costing, monitoring, coordination and public consultation), which are currently being addressed through the PAR roadmap and action plan. The document specifically notes the reoccurring problem with implementation of laws, which can be attributed to the low quality of laws due to weaknesses in the law-making process. There is a pressure to complete numerous legal reforms in the shortest possible time: "This situation inevitably places enormous pressure on the combined law-making resources of the Government and the Parliament and leaves little time for essential elements of a well-ordered law-making process, such as regulatory impact assessments or proper consultation with civil society." Improvement of the legislative drafting process and quality of legislation is now a priority area of action for the Administration of Government under the Prime Minister (steering the policy-making process) and all line ministries. This primarily involves the Administration of Government, Ministry of Justice, and Ministry of Economy and Sustainable Development. In order to meet the targets and obligations in law making process the Government introduced changes in Law on Normative acts (amended on June 13, 2018) and Regulation of the Government (amended on August 24, 2018). These amendments put more emphasis on concordance with Union *acquis* and Regulatory Impact Assessment (RIA.)

To sustain the legal approximation process the Ministry of Justice (MoJ) with the EU assistance (through "Facility for the Implementation of the Association Agreement in Georgia" and "Legislative Impact Assessment, Drafting and Representation" projects) elaborated Legal Approximation Guidelines and Manual. These documents provide key principles and techniques of approximation that will guide and orient legal drafters throughout the approximation process.

The documents are under finalization and after official adoption by the Government should be used consistently, not only by MoJ, but also by all line ministries, and institutions tasked with the approximation exercise. Such proceedings will help to ensure the achievement of a steady and sustainable approximation path.

Along the legislative process, the Government is proceeding with the rational organization of state administration and clear accountability lines between institutions, including supervision and reporting between line ministries and agencies. The Civil Service Bureau (CSB) is tasked with the development of uniform civil service state policy. Functional reviews of the line Ministries have been already done and currently the CSB is performing an analysis of state agencies with the intention of identifying and putting forward reforms to improve the organization of PA, to streamline their mandates, enforcement mechanism as well as policymaking process.

In this regard the project will ensure consistency between the review of the organizational set-up of the beneficiary institution with the national legislation regulating the organization of the state administrations and above mentioned analysis of the state agencies.

3.3 Linked activities:

EU Comprehensive Institutional Building programme

The Comprehensive Institution Building (CIB) specifically intended to help Georgia and other partner countries in the EU Eastern neighbourhood towards the enhanced relations, including in meeting the preconditions for concluding an Association Agreement, and for starting and concluding negotiations on establishing a Deep and Comprehensive Free Trade Area.

The CIB aimed at effective institution-building of a limited number of core institutions that were crucial in preparing the ground for the enhanced relations.

In case of GEOSTM CIB was conducted in three phases:

CIB I phase

- During 2012-2015 physical infrastructure and premises of GEOSTM, including laboratories' areas, administrative offices, reception, and other relevant infrastructure such as engineering and communication systems, were renovated (EU – 698.000 EURO).

CIB II phase

- Technical Assistance project “**Further Development of Standardization and Metrology Infrastructure to meet EU Best Practices**” (2015-2017. In the framework of the project, capacity-building actions focus on calibration of selected measurement standards, inter-laboratory comparisons, new testing procedures, raising awareness activities (including seminars for SMEs, business and industry representatives), study visits to similar international/regional organizations, English courses to improve language skills of GEOSTM staff. Human capacities of standards and standard registry divisions are strengthened and Technical Committees are more efficiently managed (EU – 1.500.000 EURO).
- “**Procurement of Measuring Instruments for Development of National Measurements Standard Base of Georgia**” – (February 2016 – December 2016) in the framework of the second phase of the CIB programme the procurement project. It provides for modernization of measurement standard base of GEOSTM and procurement of metrology equipment (EU–1.500.000 EURO).

CIB III phase

- **Twinning project: ”Support to Georgian National Agency for Standards and Metrology for further implementation of the EU-Georgia DCFTA requirements“**, funded by EU; Period of implementation June 2017 – 12th March 2019; The purpose of the project is to support the strengthening of administrative, human and technical capacities of Georgian National Agency for Standards and Metrology to further implement the requirements of the DCFTA through the gradual approximation of the Georgian legislation in line with new approach directives and best practices in the field of metrology and standardization (EU– 1.200.000 EURO).

EU Twinning Project “Strengthening of the Metrology and Standardization Infrastructure according to the Best Practice in the EU Member States”. Period of implementation: 2011 – 2013. Quality Management System corresponding to ISO 17025 was developed, implemented and recognized at the international level in the Metrology Institute of the GEOSTM (EU – 1.400.000 EURO).

Bilateral Georgian-German PTB (Physikalisch-Technische Bundesanstalt) co-operation project “Support of Quality Infrastructure in Georgia with particular focus of Metrology”, Period of implementation 2007-2013; Project mainly was focused on metrology field – first stage of the project mostly on creation of Mass reference division and second stage – on modernization of Electrical measurements reference division. Project included modernization of equipment base, development of staff capacities and qualification, training, study visits. Georgian party contributed in terms of preparation of laboratory premises (600.000 EURO).

PTB regional project “Strengthening the Quality Infrastructure in the South Caucasian countries Azerbaijan, Armenia and Georgia with emphasis on Food Testing”, Period of implementation 2013-2017. Project was aimed to enable the food testing laboratories in the South Caucasian countries to offer internationally recognized food stuff testing services. The project contributed to the development of technical capacities of GEOSTM chemical laboratory.

In 2019 new **PTB project “Strengthening the Quality Infrastructure in the countries of the Southern Caucasus”** has started.

EU Twinning Project: “Strengthening the Capacities of the Technical and Construction Supervision Agency (TCSA) in Development of the Market Surveillance System in Georgia”; Period of implementation 2018 - January 2020; The purpose of the project was to strengthen the TCSA in terms of implementation and enforcement of legislation, human resources and market surveillance and consumer protection's awareness, to meet DCFTA requirements and challenges (1.500.000 EURO).

Related Programmes and Projects

The reform of Public Administration (PAR) is of utmost importance for the country and the process is supported through donor community. The EU total contribution to the “Support to the Public Administration Reform in Georgia” 2016-2019, is EUR 30 000 000 Euro. Out of which EUR 20 000 000 is budget support share and EUR 10 000 000 for complementary support. The objective of the programme is to improve the efficiency, accountability and transparency of the public administration of Georgia, in line with the key Principles of Public Administration that have been developed by OECD/SIGMA in close cooperation with the European Commission. It will have a particular focus on the improvement of the policy planning and coordination capacities and processes in the central public administration. The professionalization of the civil service (including the reform of the civil service training system) will also be supported through the programme.

“Support to the Public Administration in Georgia”- EU funded; Duration: 2019-2021; Description: The objective of the project is to improve the efficiency, accessibility, accountability and transparency of the Georgian Public Administration in accordance with European principles of Public administration and best practices. More specifically, the project is mainly focused on improving the results-based approach in policy planning, development, coordination, monitoring and evaluation, increasing the awareness of the Civil servants and streamlining the implementation of the civil service reform in public institutions, improving the intra and inter-ministerial business processes related to policy making and service delivery enhancing thus the efficiency of the administration and the quality of service delivery, strengthening policy development and implementation of the anti-corruption and transparency national policies, thus increasing the accessibility, accountability and transparency of the executive branch and combating corruption, establishing an efficient, accountable and transparent institutional and legal framework for efficiently, timely and reliably delivered public and electronic services and raising public awareness and increasing visibility of the Government’s public administration reform agenda as well as on available public services.

Twinning project **“Capacity Building of the Civil Service Bureau of Georgia to Implement the Civil Service Reform”** - EU funded; Duration: 2019-2020. Description: The objective of the project is to enhance the professionalism of the civil service in Georgia. More specifically, the project aims to strengthen the institutional and Human Resource (HR) capacities of the Civil Service Bureau (CSB) to manage the implementation of the Civil Service Reform, through the reinforcement of the legal framework, introduction of modern Human Resource Management (HRM) information system, tools and techniques, development of training scheme for HR managers and improvement of Assets Declaration Monitoring system.

“Facility for the implementation of the Association Agreement in Georgia” - EU funded; Duration: 2015-2018; Description: The project provided policy advice and capacity building support to the Georgian Government in coordinating the implementation of the Association, strengthening the institutional capacities of the line ministries and other public institutions to carry out the required reforms, including on policy development and legal approximation processes. Since February 2019, phase II of the aforementioned project has been launched. Duration: 2019-2021.

3.4 List of applicable *Union acquis*/standards/norms:

In the Annex III-A and III-B of the EU-Georgia Association Agreement there are lists of horizontal and sectoral legislation that Georgia intends to approximate its systems and legislation with.

The horizontal legislation, most related to the national quality infrastructure are listed below:

- Regulation (EU) No 1025/2012 of the European Parliament and of the Council on European standardisation of 25 October 2012
- Council Directive 80/181/EEC of 20 December 1979 on the approximation of the laws of the Member States relating to units of measurement, as amended by Directive 2009/3/EC of the European Parliament and of the Council
- Decision 768/2008/EC of the European Parliament and of the Council of 9 July 2008 on a common framework for the marketing of products

From sectoral legislation list (Annex III A) particularly in the field of metrology, should be mentioned:

- Directive 2014/31/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of non-automatic weighing instruments
- Directive 2014/32/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of measuring instruments

Furthermore, as far as Standardisation and Metrology are horizontal elements of National Quality Infrastructure, development thereof has significant importance on legal approximation process in general and particularly for the implementation of all other legal acts listed in the Annex III-A of the EU-Georgia Association Agreement.

- Directive 2008/43/EC of 4 April 2008 setting up, pursuant to Council Directive 93/15/EEC, a system for the identification and traceability of explosives for civil uses
- Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres
- Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC
- Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility
- Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits
- Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC
- Regulation (EU) 2017/746 of the European Parliament and of the Council of 5 April 2017 on in vitro diagnostic medical devices and repealing Directive 98/79/EC and Commission Decision 2010/227/EU
- Regulation (EU) 2016/426 of the European Parliament and of the Council of 9 March 2016 on appliances burning gaseous fuels and repealing Directive 2009/142/EC
- Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC
- Directive 98/37/EC of the European Parliament and of the Council of 22 June 1998 on the approximation of the laws of the Member States relating to machinery
- Directive 2009/48/EC of the European Parliament and of the Council of 18 June 2009 on the safety of toys

- Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonized conditions for the marketing of construction products.

3.5 Results per component

The Twinning project will provide advisory support to GEOSTM in following directions:

Mandatory Result 1/Component 1: Approximation of Georgian legal Framework in metrology (MID 2014/32/EU; NAWI 2014/31/EU and 80/181/EEC) and standardization ((EU) No 1025/2012) fields with relevant EU Regulations/Directives further enhanced

Component 1 focuses on further approximation of legislation in the field of quality infrastructure/TBT by analysing existing legal acts and drafting action plan for supporting the process of legal approximation according to the annexes III A and III B of DCFTA. The legal framework of Georgia in quality infrastructure/TBT field in general is in compliance with the Union *acquis* and relevant directives, but there is still a need to assess the compliance of existing Georgian primary and secondary legislation with those EU Directives/regulations that are to be approximated within coming years. The project could also contribute to comply with the amendments in already approximated Directive/regulations and new legislative initiatives introduced by the EU after signing of AA/ DCFTA. If needed, based on the recommendations and findings, regulatory impact assessment could be applied as well.

As mentioned above it is expected that actions under this component will assist GEOSTM to be prepared and be in line with requirements prescribed from the legal approximation requirements according to the annexes III A and III B of DCFTA related to metrology and standardization specifically: (Measuring Instruments Directive (MID) 2014/32/EU ; Directive on non-automatic weighing instruments (NAWI) 2014/31/EU and Directive on Units of Measurements 80/181/EEC) and regulation (EU) No 1025/2012 on European standardization.

Sub-Result 1.1: GEOSTM prepared to deal with the further developments prescribed from legal approximation requirements in standardization and metrology fields

It is expected that actions under this sub-result will assist GEOSTM to be prepared and be in line with requirements prescribed from the legal approximation requirements according to the annexes III A and III B of DCFTA related to metrology and standardization fields e.g.: Measuring Instruments Directive (MID) 2014/32/EU; Directive on non-automatic weighing instruments (NAWI) 2014/31/EU; Directive on Units of Measurements 80/181/EEC) and regulation (EU) No 1025/2012 on European standardization. The sub result will also contribute and support all respective institutions responsible for approximation process according to annex III A, in terms of improved availability of EU harmonized standards, contributing to appropriate linkage and references thereof in Georgian respective legislative acts, improving access to and distribution of relevant EU harmonized standards and normative documents.

Mandatory Result 2/Component 2: Services of GEOSTM in the field of Metrology, particularly internationally recognized ones according to ISO/IEC 17025:2017 and ISO 17034:2016, for Georgian enterprises, laboratory network, regulatory bodies and other interested parties increased

One of the requirements of TBT chapter of the DCFTA considers the approximation of Georgian quality infrastructure system, including metrology, with relevant EU systems, which entails both legislative and institutional approximation. It is quite strong requirement not only to achieve but maintain the level of administrative and institutional effectiveness necessary to provide an effective and transparent system.

With significant and continuous support from EU GEOSTM achieved international recognition in the field of Metrology in 2013 through peer review from Regional Metrology Organization COOMET for three fields of measurements: electrical measurements, mass and temperature. Next cycle of peer review of GEOSTM was held in October 2018 from COOMET and GEOSTM Metrology Institute achieved/maintained international recognition in following fields of measurements – electrical measurements, temperature, humidity, mass, small volume, pressure, length, ionizing radiation.

Following the tendency of steady increase of Georgian export to EU there is an increasing need to ensure availability of priority services as well as to ensure international recognition in more and more fields of measurements and of calibration/measurement services. Particularly there is high demand in reference materials and certified reference materials from different sectors e.g. testing laboratories, food producers and processing companies, pharmaceutical companies, wine sector etc. In Georgia, there is no producer of reference materials at present. Therefore, the development and implementation of standard ISO 17034:2016 “General requirements for the competence of reference material producers” in GEOSTM Metrology Institute as first step and achievement of international recognition as next step, is very important to cover the existing and increased demand in reference materials.

Sub-Result 2.1: Capacity of GEOSTM Metrology Institute to provide new or wider range services to interested parties e.g. testing and calibration laboratories, enterprises in food, pharmaceutical, wine, construction sector etc. strengthened.

To respond to the increased demand in calibration and measurement services GEOSTM needs further support in development of laboratory capacities both technical and human. It is expected that the sub-result will focus on strengthening GEOSTM capacity to offer extended range of services to all interested parties taking into account priorities arising from DCFTA and priorities of laboratories, enterprises, regulatory bodies from different sectors. The sub result is expected to be achieved in selected priority fields of measurements inter alia through implementation of quality management system requirements according to new version of ISO/IEC 17025:2017; joint development of calibration and measurement procedures and other QMS documentations; sharing and gaining of experience of EU leading and advanced NMIs and priority laboratories etc.

Sub-Result 2.2: Capability of GEOSTM Phys-Chemical Reference Laboratory to provide new service – production of reference materials (in priority field certified reference materials) according to the international standard ISO 17034:2016 to interested parties increased

There is high demand in reference materials and certified reference materials from different sectors e.g. testing laboratories, food producers and processing companies, pharmaceutical companies, wine sector etc. not only in Georgia but also on regional level. In region, there is no producer of reference materials at present, therefore development and implementation of standard ISO 17034:2016 “General requirements for the competence of reference material producers” in GEOSTM Metrology Institute is very important to cover the existing and increased demand in reference materials. The sub –result will support implementation of ISO 17034:2016 in phys-chemical reference division of GEOSTM, development of all necessary QMS documents, sharing of experience of relevant MSs Institutions (e.g. Joint Research Center) on production of certified reference materials ISO 17034:2016.

Sub-Result 2.3: GEOSTM Phys-Chemical Reference Laboratory prepared for international recognition of its new service (CMCs) - production of reference materials (in priority field certified reference materials) according to the international standard ISO 17034:2016

Availability of internationally recognised certified reference materials on regional level is one of the key important issues for testing laboratories, food and pharmaceutical companies etc. The sub-result will focus on preparation GEOSTMs Phys-Chemical laboratory to achieve international recognition of its QMS standard ISO 17034:2016 and publication of CMCs in the field of reference materials. It is expected that the practical support will be provided to GEOSTM Phys-chemical laboratory to undergo pre-peer assessment by EU experts, with particular attention to support in organisation of peer assessment by experts of respective Regional Metrology Organisation (COOMET); sharing of practical experience on production, certification and international recognition of reference materials, submission of QMS for approval for international recognition in respective TC meeting of regional metrology organization. For achievement of this sub-result support in organisation of peer assessment by COOMET experts should be considered.

Sub-Result 2.4: Support in demonstration of technical competence and traceability of GEOSTM reference laboratories delivered

The sub-result will focus on support of GEOSTM reference laboratories in demonstration of their technical capacities according to requirements of new versions of standards ISO/IEC 17025:2017 and ISO 17034:2016 through support in participation in respective key, supplementary or bilateral comparisons and in ensuring traceability (through calibration of selected priority GEOSTM reference standards in NMIs having published respective CMCs) in respective fields. The sub-result supports to ensure GEOSTM participation in respective comparisons and to demonstrate technical competence of local accredited/to be accredited laboratories through organisation and piloting by GEOSTM reference laboratories of proficiency tests/ILSs in priority fields. (e.g. time and frequency, acoustics, pressure, temperature and humidity, mass and related quantities, vibration, optics, electricity and magnetism, length and angle, ionizing radiation, phys-chemistry, dimensional measurements, humidity, small volumes and/or pressure measurements). To achieve this sub-result support in ensuring of transfer standards (etalons) is required.

Mandatory Result 3/Component 3: GEOSTM capacity to fulfil requirements of DCFTA in standardisation field strengthened and involvement of interested parties in standardisation process increased

The component is focused to support the involvement of all interested parties in standardisation process on different level (National, Regional and International) and to contribute to general capacity building and awareness raising of the public, private sector, employees of relevant institutions and relevant authorities (with particular focus of GEOSTM Standards Department staff).

Emphasis in this component is put on the process of implementation of Quality Management System according to ISO 9001:2015 in GEOSTM. Further, this component will contribute to strengthening capacities of representatives of relevant institutions (testing laboratories, standardization institution, industry representatives, for relevant representatives of the state administration) which is of key importance for smooth implementation and application of legislation in approximated fields (e.g. Construction Product Regulation (Regulation (EU) No 305/2011) and Directive (2009/48/EC) on Safety of Toys).

As lack of standards in Georgian language is still a challenge for Georgian interested parties and Standards Department of GEOSTM support to ensuring availability of international and European standards in Georgian language is expected.

Sub-Result 3.1: Further alignment of GEOSTM Standards Department to CEN/CENELEC best practices through implementation and certification of the QMS in accordance with ISO 9001:2015 supported

This Sub result focuses on implementation of Quality management system according to ISO 9001:2015 in Standards Department of GEOSTM, with further possible certification of the implemented system. This is one of criteria for full membership in European Standards Organisations (ESO), which is also one of the priorities in DCFTA. For the implementation of this sub-result development of necessary QMS documentation, realisation of internal audits, pre-assessment and assessment/certification of the implemented system is expected.

Sub-Result 3.2: Participation of technical experts from interested parties, particularly SMEs in standardization work of Technical Committees of European and International standardization organizations (e.g. CEN, CENELEC, ETSI, ISO, IEC) increased and conditions for creation of national mirror committees prepared

This sub result will support and facilitate involvement of representatives of interested parties particularly SMSs in standardisation process, which is one of the important aspect and requirement of EU regulation 1025 on European Standardisation. To achieve this sub-result capacity building of national standardisation technical committees, including support to national committee members to be involved in relevant Standardisation Technical Committees meetings is expected.

Sub-Result 3.3: Practical skills for the implementation and application of Construction Product Regulation CPR (Regulation (EU) No 305/2011) and Directive (2009/48/EC) on Safety of Toys with particular emphasis on application of EU harmonized standards increased

The sub-result will focus on strengthening capacity of respective professionals and employees of relevant institutions (testing laboratories, industry representatives, accreditation body, market surveillance body etc.) from different regions of Georgia, involved in implementation and application of legislation in approximated fields (e.g. Construction Product Regulation (Regulation (EU) No 305/2011) and Directive (2009/48/EC) on Safety of Toys), through raising their awareness, as well as theoretical and practical knowledge on requirements of directives and relevant standards; Sharing of experience on Eurocodes of relevant MS institutions (e.g. Joint Research Centre), as well as increasing availability of relevant harmonised standards in Georgian language will contribute to the successful implementation of this sub-result.

Sub-Result 3.4: Standards translation capacities of GEOSTM enhanced

The sub-result will focus on improvement and strengthening of standards translation capacity of GEOSTM relevant staff. The sub-result will support translation of some guiding documents of CEN/CENELEC as well as creation of the relevant databases (including specialized software) and training of staff and members of standardisation technical committees.

Mandatory Result 4/Component 4: GEOSTM involvement in international/regional metrology and standardization organizations increased and the role as regional service provider strengthened as well as GEOSTM research and development capacities increased through integration in European R&D programs in Metrology field

One of the key factor for implementation of obligations under TBT chapter of DCFTA for GEOSTM is integration and active participation in the work of respective international/regional organizations in metrology and standardization fields. GEOSTM has achieved international recognition in the field of metrology and it is essential to maintain and extend international recognition of services therefore GEOSTM should be actively involved in activities and take part in meetings of respective organizations e.g. BIPM, OIML, COOMET. Participation in committee meetings, General Assemblies, important events will give GEOSTM the opportunity to enhance knowledge, raise awareness regarding on-going developments in the field, and further disseminate this experience to laboratory network, industry and business representatives and other interested parties. Another important player in metrology field in European region is EURAMET, it is essential that GEOSTM starts closer cooperation and is more actively involved in activities of EURAMET.

In standardization field availability of international and European standards is essential for implementation of approximated legislation. Therefore, involvement and active participation of GEOSTM in relevant International/Regional Standardization organizations e.g. ISO, IEC, CEN/CENELEC, ETSI is one of the key prerequisites for fulfilment of obligations arising from TBT chapter of DCFTA. Further, this component will significantly support and contribute to raising awareness of interested parties, particularly SMEs on benefits and obligations of DCFTA.

Metrology Institute of GEOSTM has historical background of being scientific-research institute, however this direction was not explored for decades due to significant changes in conditions, functions, capacities, staff etc. As a result of EU support and GEOSTM efforts GEOSTM Metrology Institute confirmed/achieved international recognition in 2018 in following fields: Electrical measurements, Ionizing Radiation, Length, Mass and Small Volume, Pressure, Temperature and Humidity. Therefore, future development of laboratories and staff of Metrology Institute of GEOSTM is oriented towards creating/strengthening of R&D capacities in the priority fields of measurements. The Institute can play the role of regional hub also in R&D direction and share experience with countries in South Caucasus Region.

Sub-Result 4.1: Public outreach/awareness increased, and capacity to deliver sales of GEOSTM services on regional (south Caucasus) level strengthened

GEOSTM recently start to become service provider on regional level, to different interested parties from Armenia and Azerbaijan, due to significant increase of capacities of GEOTM laboratories and international recognition thereof. It is expected that actions under this sub-result will assist GEOSTM to improve its visibility, outreach with existing and potential customers, all interested parties, and strengthen the role of GEOSTM of regional service provider in metrology field. An important aspect for achieving this sub-result

would be identification of potential customers in South Caucasus region, recommendations for simplification and streamlining the procedures e.g. customs clearance, transportation possibilities, as well as support in increasing the visibility of GEOSTM in the South Caucasus region.

Sub-Result 4.2: Cooperation of GEOSTM with different international and regional (European) standardization organizations strengthened

As a National Standards Body GEOSTM plays key role in terms of ensuring legal approximation process and implementation of other directives listed in ANNEX III A of DCFTA through identification, adoption, translation, understanding how to implement etc. harmonized European standards. Therefore, this sub-result will ensure and support strengthening cooperation/participation of GEOSTM with relevant international and particularly European standardization organizations (e.g. ISO, IEC, CEN, CENELEC, ETSI etc.), which is one of the crucial aspect for getting relevant experience on implementation of EU directives and so called harmonized standards.

Sub-Result 4.3: Participation and integration of GEOSTM with different international and regional (European) metrology organizations strengthened

The participation and representation of GEOSTM in international and regional metrology organizations e.g. BIPM, COOMET, JCRB, EURAMET, IMECO, EMPIR (Horizon 2020 or similar) are of crucial importance for achieving, maintaining and extending the scope of international recognition and publication of its Calibration and Measurement Capabilities CMCs on BIPM KCDB database. Internationally recognized CMC services are basis for ensuring traceability for laboratories in different sectors e.g. calibration labs, testing labs particularly food, wine etc, pharmaceutical companies, construction sector etc. Participation in legal metrology organizations e.g. OIML, WELMEC will support smooth realization of DCFTA legal approximation obligations in metrology field (MID, NAWI, 80/181/EEC directives).

Sub-Result 4.4.: Capacity of GEOSTM Metrology Institute (both administrative and technical) to participate in European research programs (e.g. Horizon 2020, EMPIR and/or similar) developed

This sub-result is expected to be achieved through consultations and recommendations of experts with experience in EMPIR (or similar) project coordination and implementation; through practical support in registration of GEOSTM for participation in European research programs; through theoretical as well as hands-on trainings of staff on administrative and formal procedures for preparation, submission negotiation and reporting procedures; through practical support of experts in identification of suitable calls and/or project proposals, establishing contacts and relations with possible consortium members; through development of proposals jointly and through provision of practical support to GEOSTM to prepare, submit, negotiate and report relevant proposal/s, including sharing experience and participation in relevant EMPIR or similar meetings.

The inclusiveness and evidence-based approach should be applied to all activities related to legislation alignment with EU acquis and policy development/adjustment: drafting/amendment of the legal and policy proposals should be based on evidence, the cost of their implementation should be calculated and budgeted and they should be consulted at the right time of the process with relevant internal and external stakeholders.

3.6 Means/input from the EU Member State Partner Administration(s)*:

The project will be implemented in the form of a Twinning contract between the Beneficiary Country and EU Member State(s). The implementation of the project requires one Project Leader (PL) with responsibility for the overall coordination of project activities and one Resident Twinning Adviser (RTA) to manage implementation of project activities, Component Leaders (CL) and pool of short-term experts within the

limits of the budget. It is essential that the team has sufficiently broad expertise to cover all areas included in the project description.

Proposals submitted by Member State shall be concise and focused on the strategy and methodology and an indicative timetable underpinning this, the administrative model suggested, the quality of the expertise to be mobilised and clearly show the administrative structure and capacity of the Member State entities. Proposals shall be detailed enough to respond adequately to the Twinning Fiche, but are not expected to contain a fully elaborated project. They shall contain enough detail about the strategy and methodology and indicate the sequencing and mention key activities during the implementation of the project to ensure the achievement of overall and specific objectives and mandatory results/outputs.

The interested Member State(s) shall include in their proposal the CVs of the designated Project Leader (PL) and the Resident Twinning Advisor (RTA), as well as the CVs of the potentially designated Component Leaders-(CLs).

The Twinning project will be implemented by close co-operation between the partners aiming to achieve the mandatory results in sustainable manner.

The set of proposed activities will be further developed with the Twinning partners when drafting the initial work plan and successive rolling work plan every three months, keeping in mind that the final list of activities will be decided in cooperation with the Twinning partner. The components are closely inter-linked and need to be sequenced accordingly.

3.6.1 Profile and tasks of the PL:

Profile:

- Proven contractual relation to a public administration or mandated body;
- University level education in a relevant discipline or equivalent professional experience in a related field of 8 years;
- At least 3 years' experience in the field of Metrology or Standardization;
- Good Knowledge of EU legislation in the field of Metrology or Standardization;
- Previous experience in project management will be considered an asset.
- Fluency in both written and spoken English;
- Computer literacy;
- Good communications and inter-personal skills;
- Good leadership skills;

Tasks:

- Overall direction, supervision, guidance and monitoring of the project;
- Ability to mobilise the necessary expertise in support of the efficient implementation of the project;
- In cooperation with the Beneficiary PL submits and signs the interim quarterly and project final reports prepared with the support of RTA to the concerned authorities;
- Formally signs project work plan(s) and/or any updates;
- Ensuring timely achievement of the project results in close cooperation with her/ his Project Leader Counterpart;

Co-Chairing of project steering committees; **3.6.2 Profile and tasks of the RTA:**

Profile:

- Proven contractual relation to a public administration or mandated body;
- University level education in a relevant discipline or equivalent professional experience in a related field of 8 years;
- At least 3 years' experience in Metrology or Standardization fields;
- Good knowledge of relevant EU legislative and institutional requirements related to the various components of this project;
- Good knowledge of Metrology or Standardization legislation, work methods and procedures;
- Good managerial skills;

- Good Communication Skills;
- Excellent computer literacy (Word, Excel, Power Point);
- Excellent command of spoken and written English;
- Experience with similar projects would be an asset.

Tasks:

- Overall monitoring of the project implementation and coordination of all activities, as well as management of the project administration;
- Coordination of the activities of the team members in line with the agreed work plan to enable timely completion of project outputs;
- Provide technical input to the project whenever needed and provision of advice in his field of expertise;
- In coordination with MS PL liaise with BC PL and daily contacts with BC RTA counterpart;
- Preparation of the initial and subsequent work plan(s) and project progress reports, together with PL, to be submitted to the Steering Committees;
- Liaison with EUD Project Manager and Programme Administration Office (PAO);
- Liaison with other relevant projects and relevant Georgian institutions;
- Support to strengthening and further development of Metrology and Standardisation fields in the country, by promoting cooperation between main counterparts and target groups.

3.6.3 Profile and tasks of Component Leaders:

Mandatory Result 1/Component 1: Approximation of Georgian legal Framework in metrology (MID 2014/32/EU; NAWI 2014/31/EU and 80/181/EEC) and standardization ((EU) No 1025/2012) fields with relevant EU Regulations/Directives further enhanced

Profile:

- Proven contractual relation to a public administration or mandated body;
- University level education in a relevant discipline or equivalent professional experience in a related field of 8 years;
- At least 3 years of experience in metrology and/or standardization field;
- Good experience in legal drafting coordination process relevant to the project scope;
- Good experience in capacity building activities;
- Demonstrated analytical and mentoring skills;
- Fluency in written and spoken English.

Tasks:

- Component coordination, guidance and monitoring;
- Conducting analysis of the area relevant to the component;
- Contribution to preparing and conducting training programs;
- Provide technical advice, support and assist the BC institution in the context of the project's components;
- Provide practical expertise/advice to relevant staff for execution of different tasks related to the project;
- Contribution to the project reporting (interim and final), to drafting the notes and other documents and reports on experts missions;

Mandatory Result 2/Component 2: Services of GEOSTM in the field of Metrology, particularly internationally recognized ones according to ISO/IEC 17025:2017 and ISO 17034:2016, for Georgian enterprises, laboratory network, regulatory bodies and other interested parties increased

Profile:

- Proven contractual relation to a public administration or mandated body;

- University level education in a relevant discipline or equivalent professional experience in a related field of 8 years;
- At least 3 years of experience in metrology field;
- Solid experience in ISO/IEC 17025:2017 and particularly in ISO 17034:2016 standards implementation;
- Good experience in capacity building activities;
- Demonstrated analytical and mentoring skills;
- Fluency in written and spoken English.

Tasks:

- Component coordination, guidance and monitoring;
- Conducting analysis of the area relevant to the component;
- Provide technical advice, support and assist the BC institution in the context of the project's components;
- Provide practical expertise/advice to relevant staff for execution of different tasks related to the project;
- Contribution to the project reporting (interim and final), to drafting the notes and other documents and reports on experts' missions;
- Contribution to preparing and conducting training programs;

Mandatory Result 3/Component 3: GEOSTM capacity to fulfil requirements of DCFTA in standardisation field strengthened and involvement of interested parties in standardisation process increased

Profile:

- Proven contractual relation to a public administration or mandated body;
- University level education in a relevant discipline or equivalent professional experience in a related field of 8 years;
- At least 3 years of experience in the field of standardization;
- Good experience in capacity building activities;
- Demonstrated analytical and managerial skills;
- Fluency in written and spoken English.

Tasks:

- Component coordination, guidance and monitoring;
- Conducting analysis of the area relevant to the component;
- Provide technical advice, support and assist the BC institution in the context of the project's components;
- Provide practical expertise/advice to relevant staff for execution of different tasks related to the project;
- Contribution to the project reporting (interim and final), to drafting the notes and other documents and reports on experts' missions;
- Contribution to preparing and conducting training programs;

Mandatory Result 4/Component 4: GEOSTM involvement in international/regional metrology and standardization organizations increased and the role as regional service provider strengthened as well as GEOSTM research and development capacities increased through integration in European R&D programs in Metrology field

Profile:

- Proven contractual relation to a public administration or mandated body;
- University level education in a relevant discipline or equivalent professional experience in a related field of 8 years;
- At least 3 years of experience in the field of communication and visibility and/or in the field of metrology related research programs;
- Good experience in capacity building activities;

- Demonstrated analytical and managerial skills;
- Fluency in written and spoken English.

Tasks:

- Component coordination, guidance and monitoring;
- Conducting analysis of the area relevant to the component;
- Contribution to preparation of the promotional materials, organization of awareness campaigns, stakeholder meetings and events;
- Provide technical advice, support and assist the BC institution in the context of the project's component;
- Provide practical expertise/advice to relevant staff for execution of different tasks related to the project;
- Contribute to the project reporting (interim and final), to drafting the notes and other documents and reports on experts missions;
- Contribution to preparing and conducting training programs;

3.6.4 Profile and tasks of other short-term experts:

In order to provide the full range of expertise necessary, short-term experts will be drawn from different skill sets to assist the RTA on specific activities. Based on the project results there might be the need of having different STEs possessing the following professional experience depending on their area of intervention:

Profile of short term experts:

- Proven contractual relation to a public administration or mandated body;
- University degree in economics, engineering or similar discipline relevant to the project or equivalent experience of 8 years;
- At least of 3 years of experience in one of the following: legal approximation, standardization, metrology, R&D or communication and PR field, depending on the component and subject to be involved in;
- Experience in EU legislation and practice in the field of standardization and metrology;
- Specific knowledge and experience in quality management systems e.g. ISO 9001:2015, ISO 17034:2016 and ISO/IEC 17025:2017;
- Specific knowledge and experience in metrology and/or standardization;
- Proven experience working on legal approximation issues in their MSs;
- Experience in preparing regulatory framework, including fiscal and regulatory impact assessments, public consultations would be an asset.
- Good understanding of training and professional development;
- Relevant experience in capacity building activities preferred;
- Experience in communication and visibility;
- Computer literacy.

Tasks:

- Support Component leaders in their tasks by providing specific experience;
- Contributing to the sustainability of the project by ensuring that aspects of the project related to their field of expertise are implemented timely;
- Conducting practical and theoretical trainings, seminars in accordance of their ToRs;
- Assistance with drafting project related documents in accordance with the national rules for legislative development and preparation of trainings, study tours, workshops, seminars, etc.
- Liaise with RTA and BC counterparts.

Proposals shall include only the CVs of the proposed PL, of the RTA and of the Component Leaders (STEs CV should not be included in the MS proposal).

The Project Leader/RTA are free to propose additional STEs as they see fit, based upon the needs of the project and in agreement with the beneficiary.

4. Budget

Maximum Budget available for the Twinning Grant Euro 1, 400,000.

5. Implementation Arrangements

5.1 The European Union Delegation in Tbilisi, Georgia, will be responsible for the tendering, contracting, payments and financial reporting, and will work in close co-operation with the Beneficiary. The person in charge of this project at the Delegation of the European Union to Georgia is:

Ms. Sirje Pöder

Attachée, Programme Officer, Private Sector Development, Trade Facilitation

Delegation of the European Union to Georgia

64b Ilia Chavchavadze Avenue, 0179 Tbilisi, Georgia

Tel: +995 32 2943 763

E-mail: Sirje.PODER@eeas.europa.eu

5.2 Institutional framework

The beneficiary institution of the project is Legal Entity of Public Law- Georgian National Agency for Standards and Metrology (GEOSTM) in the system the Ministry of Economy and Sustainable Development of Georgia. The organizational chart is provided in Annex 1.

Main objective of GEOSTM is participation in elaboration and implementation of the state policy on standardization and metrology, ensuring availability of international and European standards, ensuring traceability of measurements and international recognition of Calibration and Measurements capabilities. GEOSTM has 70 persons as permanent staff, 18 persons on contractual basis (which include Tbilisi and regional offices Telavi, Poti, Kutaisi, Gori)

Furthermore, the other stakeholders as the Technical and Construction Supervision Agency, Georgian Accreditation Centre, the Ministry of Environment Protection and Agriculture of Georgia, other public agencies and private or semi-private organizations such as testing and calibration laboratories will be involved in the implementation of the project activities. In addition, other stakeholders can also be involved in the project implementation within their mandate and responsibilities.

5.3 Counterparts in the Beneficiary administration:

The PL and RTA counterparts will be staff of the Beneficiary administration and will be actively involved in the management and coordination of the project.

5.3.1 Contact person:

Mr. Davit Tkemaladze

Director General

Georgian National Agency for

Standards and Metrology

67 Chargali str. 0178, Tbilisi, Georgia

5.3.2 PL counterpart

Ms. Mariam Gabunia

Head of Department for Foreign Trade Policy

Ministry of Economy & Sustainable Development of Georgia

Address: 4 Kekelidze Street, Tbilisi, Georgia

5.3.3 RTA counterpart

Ms. Nino Mikanadze

Director of Metrology Institute

6. Duration of the project

Duration of the execution period: 27 months. [The execution period will end 3 months after the implementation period of the Action (work plan) which will take 24 months].

7. Management and reporting

7.1 Language

The official language of the project is the one used as contract language under the instrument (English / French). All formal communications regarding the project, including interim and final reports, shall be produced in the language of the contract.

7.2 Project Steering Committee

A project steering committee (PSC) shall oversee the implementation of the project. The main duties of the PSC include verification of the progress and achievements *via-à-vis* the mandatory results/outputs chain (from mandatory results/outputs per component to impact), ensuring good coordination among the actors, finalising the interim reports and discuss the updated work plan. Other details concerning the establishment and functioning of the PSC are described in the Twinning Manual.

7.3 Reporting

All reports shall have a narrative section and a financial section. They shall include as a minimum the information detailed in section 5.5.2 (interim reports) and 5.5.3 (final report) of the Twinning Manual. Reports need to go beyond activities and inputs. Two types of reports are foreseen in the framework of Twinning: interim quarterly reports and final report. An interim quarterly report shall be presented for discussion at each meeting of the PSC. The narrative part shall primarily take stock of the progress and achievements *via-à-vis* the mandatory results and provide precise recommendations and corrective measures to be decided by in order to ensure the further progress.

8. Sustainability

The achievements of the Twinning project (mandatory results) will be maintained as a permanent asset to the Beneficiary Institution even after the end of the Twinning implementation. The Beneficiary Institution is fully committed to ensure the long term impact of the Twinning project. Staff benefiting from any possible trainings/study visits shall transfer knowledge through subsequent trainings to their colleagues, where relevant. Staff should have lifelong learning opportunities to acquire the knowledge and skills they need to fulfil their tasks. Where relevant, the training programmes could be included in the training curriculum of the national training institution. Smooth and effective functioning of the achieved results will be guaranteed by the relevant human and financial resources contribution.

The sustainability of the project results will be ensured by policy and legislative changes introduced through evidence based approach and consulted with external and internal stakeholders.

It's worth mentioning that all actions will be planned to maximise the capacity building effect and ensure sustainability of results. In particular: Any guiding documents will be developed together with the beneficiary institutions. Any guidelines or procedures developed under this action will not contradict any legal provision of the country.

9. Crosscutting issues

The principle of equal opportunity will be integrated into all stages of the project implementation, including equal opportunities in training, site visits and participation in all of the Projects' missions and events;

contributing thus to the promotion of gender equality. The principle of equal opportunity shall apply both to the GEOSTM staff involved in the project and other parties participating in the project activities. Every effort will be made to ensure broad gender representation at all stages of the project implementation.

The activities envisaged under the project will not negatively affect the environment. During the implementation of the project, the production of printed material will be minimized to have positive influence on the environment.

10. Conditionality and sequencing

There is no precondition set for this twinning project.

It is foreseen that a series of activities / measures would have been undertaken by GEOSTM in order for the project to start in satisfactory conditions. The project will ensure well-coordinated legal approximation process involving all responsible parties in compliance with the recognized standards and stabled practices.

GEOSTM commits itself to provide the contributions listed in the project fiche. Project actions and their outcomes are interconnected and mutually complementary.

Project activities will follow the following pattern:

- Strong commitment and support of GEOSTM management throughout the Project implementation period;
- Drafting of relevant documents jointly by GEOSTM and MS experts;
- Strong involvement and commitment of GEOSTM staff at all levels through assigning dedicated staff according to the project components;
- Ensuring coordination between departments and institutions connected with the Project;
- Ensuring access to necessary information and documents e.g. national regulatory framework, internal quality management system documents, technical procedures etc.;
- Peer/review and possible revision of the document;
- Ensuring adequate conditions for the project team and STEs to perform their work while on their mission to the BC;
- Support to identify where relevant suitable venues in GEOSTM for the training sessions and workshops that are to be held within the project framework; In case of meetings with wider society (more than 25 people) and stakeholder groups venue, interpretation and equipment might be needed to be ensured by project;
- In time and strong coordination and acknowledgement with the beneficiary country's commitments.

The project specific activities will be defined and prioritized in close coordination between the MS and BC partners based to the Logical Framework. The most important tasks will be to timely conduct training needs analysis, gap analysis in relevant components, make action plans for components including detailed timeframes, actions for achievement etc. The capacity building activities will be gradually introduced to comply with all the requirements and changes introduces.

11. Indicators for performance measurement

Mandatory Result 1/Component 1: Approximation of Georgian legal Framework in metrology (MID 2014/32/EU; NAWI 2014/31/EU and 80/181/EEC) and standardization ((EU) No 1025/2012) fields with relevant EU Regulations/Directives further enhanced

Indicators for performance measurement:

- Number of European harmonized standards adopted as Georgian national standards in support of legal approximation process;

- Availability of drafts of relevant legislation (drafts of new acts or of amendments) for further alignment with requirements of regulation EU 1025/2012 and MID (for selected measuring instruments), NAWI and Directive on Units of Measurements.

Sub-Result 1.1: GEOSTM prepared to deal with the further developments prescribed from legal approximation requirements in standardization and metrology fields

Indicators for performance measurement:

- Availability of GEOSTM internal procedures in line with MID (for selected measuring instruments) and NAWI, based on international standards (ISO/IEC 17025, ISO/IEC 17020), harmonized European standards, OIML documents and relevant conformity assessment modules (e.g. modules - F, F1, G etc.);
- Availability of relevant internal procedures, for further alignment of GEOSTM practices and procedures with requirements of regulation EU 1025/2012;
- Share of GEOSTM Metrology Institute relevant staff capable to deal with technical as well as administrative requirements for the selected measuring instruments based on MID and NAWI directives; including
- Share of staff of GEOSTM and MoESD (where relevant) who gained practical experience and knowledge on the aspects of implementation of MID, NAWI, regulation 1025.

Mandatory Result 2/Component 2: Services of GEOSTM in the field of Metrology, particularly internationally recognized ones according to ISO/IEC 17025:2017 and ISO 17034:2016, for Georgian enterprises, laboratory network, regulatory bodies and other interested parties increased

Indicators for performance measurement:

- Number of internationally recognised services (CMCs);
- Status of QMS according to ISO 17034:2016.

Sub-Result 2.1: Capacity of GEOSTM Metrology Institute to provide new or wider range services to interested parties e.g. testing and calibration laboratories, enterprises in food, pharmaceutical, wine, construction sector etc. strengthened.

Indicators for performance measurement:

- Availability of the detailed training plan;
- Status of new/modified calibration procedures (improved range, uncertainty etc.) in selected fields (e.g. time and frequency, acoustics, pressure, temperature and humidity, mass and related quantities, vibration, optics, electricity and magnetism, length and angle, ionizing radiation, Phys-chemistry);
- Share of GEOSTM Metrology Institute staff who gained theoretical and practical knowledge and have applied new/modified advanced methods in their daily practice in selected fields of measurements (e.g. time and frequency, acoustics, pressure, temperature and humidity, mass and related quantities, vibration, optics, electricity and magnetism, length and angle, ionizing radiation, Phys-chemistry) as well as on priority issues of ISO/IEC 17025:2017.

Sub-Result 2.2: Capability of GEOSTM Phys-Chemical Reference Laboratory to provide new service – production of reference materials (in priority field certified reference materials) according to the international standard ISO 17034:2016 to interested parties increased

Indicators for performance measurement:

- Availability of detailed action plan for implementation of ISO 17034:2016;
- Share of GEOSTM Phys-chemical reference laboratory staff trained on preparation/production and certification of priority reference materials on requirements of ISO 17034:2016 as well as on internal audit of QMS on reference materials;
- Availability of Quality Management System documents, covering all requirements, necessary for demonstration of compliance with requirements of standard ISO/IEC 17034:2016, including internal audit reports and corrective actions plans;

- Share of GEOSTM Metrology Institute staff having gained practical experience/knowledge and capable to carry out production and certification of reference materials.

Sub-Result 2.3: GEOSTM Phys-Chemical Reference Laboratory prepared for international recognition of its new service (CMCs) - production of reference materials (in priority field certified reference materials) according to the international standard ISO 17034:2016

Indicators for performance measurement:

- Availability of report of pre-peer assessment of GEOSTM Metrology Institute QMS (according to ISO/IEC 17025:2017 and with particular focus on ISO 17034:2016);
- Status of submission of GEOSTM's QMS according to ISO 17034:2016 and status of oral presentation of QMS made by GEOSTM relevant staff according to COOMET rules at relevant COOMET TCs;
- Availability of report of peer assessment of quality management system of GEOSTM according to the COOMET rules.

Sub-Result 2.4: Support in demonstration of technical competence and traceability of GEOSTM reference laboratories delivered

Indicators for performance measurement:

- Availability of reports of comparisons GEOSTM take part in, for support of GEOSTM CMCs in priority fields (either extension of the scope, improvement of uncertainty or new fields of measurements);
- Availability of calibration certificates for GEOSTM reference standards (e.g. Phys-chemistry, electrical measurements, radio physics, acoustics, time and frequency, pressure, mass, length, temperature and humidity, ionising radiation) issued by NMIs with respective CMCs;
- Availability of report of ILC or proficiency testing piloted by GEOSTM, for local laboratories/interested parties, using reference materials produced by GEOSTM.

Mandatory Result 3/Component 3: GEOSTM capacity to fulfil requirements of DCFTA in standardisation field strengthened and involvement of interested parties in standardisation process increased

Indicators for performance measurement:

- Status of implementation/certification of QMS according to 9001 in Standards Department of GEOSTM;
- Availability of special terminological software for enhancement of standards translation process in Georgia;
- Number of standards, including harmonised EN standards, translated in Georgian.

Sub-Result 3.1: Further alignment of GEOSTM Standards Department to CEN/CENELEC best practices through implementation and certification of the QMS in accordance with ISO 9001:2015 supported

Indicators for performance measurement:

- Availability of action plan for implementation and certification of Quality Management System (QMS) according to ISO 9001:2015 and of all necessary internal documentation e.g. guidelines/procedures, operating work instructions etc.;
- Share of GEOSTM standards department staff, who participated in capacity building activities on ISO 9001:2015;
- Availability of reports on pre-assessment and on certification of QMS according to ISO 9001:2015.

Sub-Result 3.2: Participation of technical experts from interested parties, particularly SMEs in standardization work of Technical Committees of European and International standardization organizations (e.g. CEN, CENELEC, ETSI, ISO, IEC) increased and conditions for creation of national mirror committees prepared

Indicators for performance measurement:

- Availability of list of priority fields for possible mirror committees as well as of an action plan for creation of national mirror committee/s;
- Share of Standards Department staff and members/potential members of technical committees trained on creation and operation of mirror committees, including on issues of distance participation of experts therein;
- Share of representatives from national standardisation technical committees (particularly representatives of SMEs) together with secretaries of respective national TCs who gained experience in relevant international/regional standardisation technical committees.

Sub-Result 3.3: Practical skills for the implementation and application of Construction Product Regulation CPR (Regulation (EU) No 305/2011) and Directive (2009/48/EC) on Safety of Toys with particular emphasis on application of EU harmonized standards increased

Indicators for performance measurement:

- Share of representatives from different interested parties aware about requirements and practical application of relevant standards of CPR Regulation (EU) No 305/2011;
- Share of representatives of different interested parties aware about requirements and practical application of relevant standards of Directive (2009/48/EC) on Safety of Toys;
- Share of GEOSTM staff and representative of MoESD (where relevant) who gained experience on practical aspects of Eurocodes and related guidelines, standards;

Sub-Result 3.4: Standards translation capacities of GEOSTM enhanced

Indicators for performance measurement:

- Availability of Terminological database, including Georgian version of CEN / CENELEC Guide 17 “SME Standardization Guide “;
- Share of GEOSTM relevant staff and members of standardization technical committees involved in standards translation process trained on general principles and methods of Terminological database;
- Share of GEOSTM relevant staff and other interested parties trained on available and/or developed terminological software application.

Mandatory Result 4/Component 4: GEOSTM involvement in international/regional metrology and standardization organizations increased and the role as regional service provider strengthened as well as GEOSTM research and development capacities increased through integration in European R&D programs in Metrology field

Indicators for performance measurement:

- Degree of GEOSTM participation in International/regional standardisation and metrology organizations;
- Range/number of services provided by GEOSTM in South Caucasus region;
- Number of EMPIR/similar projects with participation of GEOESTM.

Sub-Result 4.1: Public outreach/awareness increased, and capacity to deliver sales of GEOSTM services on regional (south Caucasus) level strengthened

Indicators for performance measurement:

- Availability of visibility and promotional materials tailored to the different target groups, including ones for South Caucasus region;
- Share of GEOSTM staff, capable to conduct seminars/trainings tailored for the needs of interested parties in different measurements fields and on standardization issues;
- Number of awareness raising activities conducted at central and regional levels including regional events for interested parties in South Caucasus region, covering different fields of measurements as well as Standardization issue

- Availability of recommendations for simplification/streamlining administrative and logistical procedures (including customs and transportation issues).

Sub-Result 4.2: Cooperation of GEOSTM with different international and regional (European) standardization organizations strengthened

Indicators for performance measurement:

- Level of involvement GEOSTM relevant staff in the following standardization events:
 - CEN /CENELEC/ETSI General Assemblies;
 - ISO, IEC General Assemblies;
 - CEN/CENELEC/ETSI relevant technical committees’ meetings and relevant seminars/trainings;
 - ISO, IEC relevant technical committees’ meetings and relevant seminars/trainings;

Sub-Result 4.3: Participation and integration of GEOSTM with different international and regional (European) metrology organizations strengthened

Indicators for performance measurement:

- Level of involvement GEOSTM relevant staff in the following Metrology events:
 - BIPM, OIML, JCRB General Assemblies, Meetings;
 - COOMET Committee Meeting and COOMET relevant technical Committee meetings;
 - EURAMET meetings, particularly General Assemblies and Quality Technical Committee meetings; IMECO relevant meetings.

Sub-Result 4.4.: Capacity of GEOSTM Metrology Institute (both administrative and technical) to participate in European research programs (e.g. Horizon 2020, EMPIR and/or similar) developed

Indicators for performance measurement:

- Share GEOSTM Metrology Institute relevant staff trained to deal with administrative and technical issues (including the call, evaluation, negotiation and reporting stages) related to participation in EMPIR (or similar) projects;
- Availability of registration and assignment of Participants Identification Code (PIC – 9-digit code) to GEOSTM for participate in EMPIR (or similar) projects, followed by submission of proposal/s (full package of documentation) according to the EMPIR rules
- Number of GEOSTM staff who gained practical experience on identification of possible partners and relevant projects through EMPIR partnering meetings;

12. Facilities available

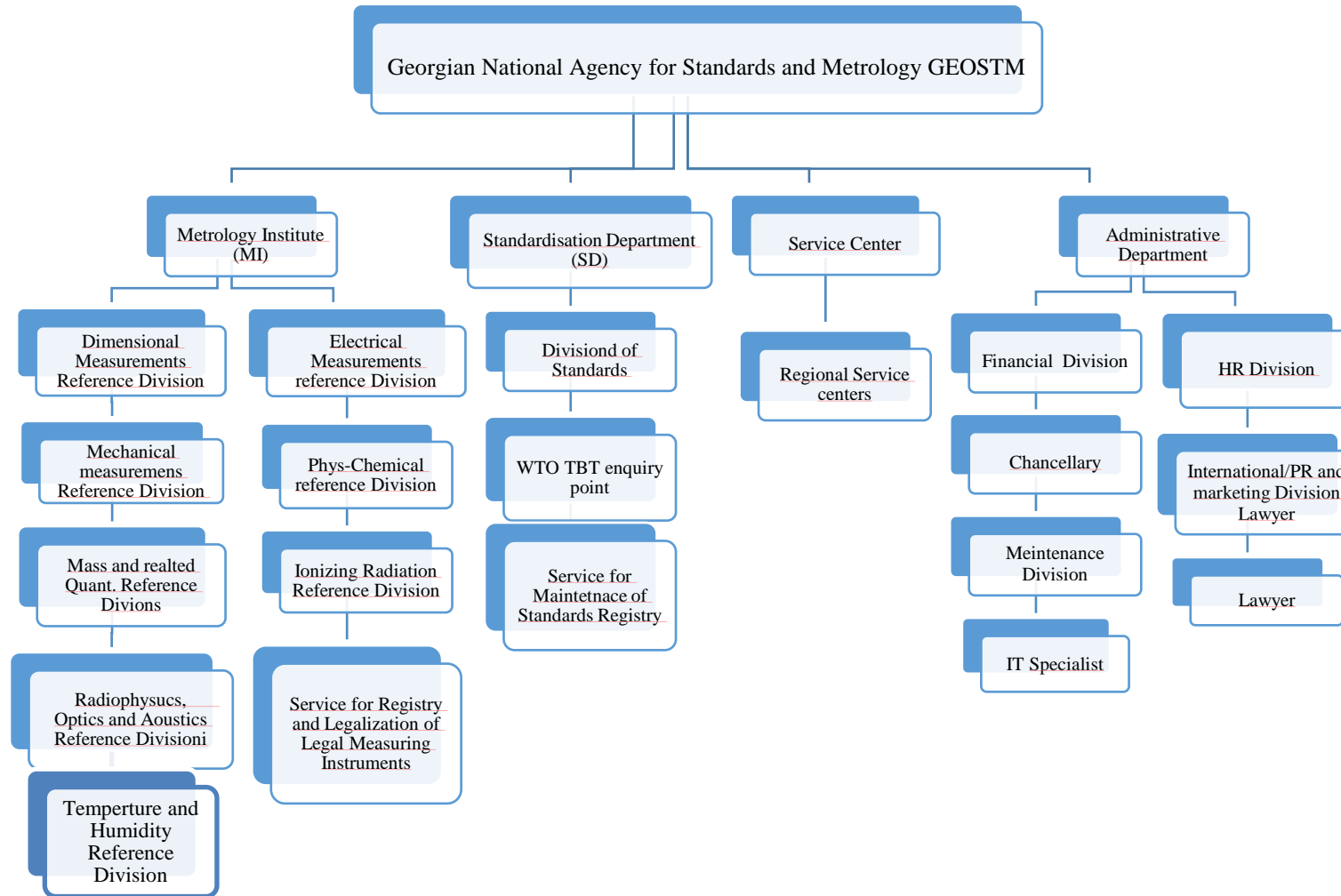
Beneficiary will provide:

- Adequately equipped office space for the RTA and the RTA assistant(s) for the entire duration of their secondment.
- Supply of office room including access to computer, telephone, internet, printer, photocopier;
- Adequate conditions for the STEs to perform their work while on mission;
- Provide suitable venues for the training sessions and meetings that will be held under the Project, except the cases of meetings with wider society (more than 25 persons) or stakeholder groups, in such cases venue, interpretation and equipment will be needed to be ensured by project;
- Security related issues will be assured according to the standards and practices applicable for all Georgian public institutions.

ANNEXES TO PROJECT FICHE

1. GEOSTM Organizational Structure;
2. Simplified Logical Framework.

Annex 1
GEOSTM organizational Structure



Annex 2: Simplified Logical Framework

Project Title: Strengthening of institutional as well as human capacities of Georgian National Agency for Standards and Metrology (GEOSTM) according to the international/EU best practices		Program name and number: EU support for the Implementation of the EU-Georgia Association Agreement, ENI/2018/041-415 Direct Management		
Beneficiary Institution: Georgian National Agency for Standards and Metrology (GEOSTM), Ministry of Economy and Sustainable Development of Georgia		Total budget: 1, 400,000 €	EU ENI financing (100%)	
Description	Indicators (with relevant baseline and target data)	Sources of verification	Risks	Assumptions (external to project)
Overall Objective				
The overall objective of the project is to support Georgia in fulfilment of the obligations under EU-Georgia Association Agreement (AA), DCFTA and Association Agenda, as well as further to enhance the standardisation and metrology infrastructure and services in accordance with the European and International best practices.	<ul style="list-style-type: none"> Degree of compliance of Georgian relevant legal and institutional framework in metrology and standardisation fields with relevant EU requirements <p>Baseline: About 50% of directives, regulations from DCFTA TBT part annex III A are approximated (including adoption of harmonised EN standards)</p> <p>Target: By the end of the project 80% of directives/regulations from annex III A of DCFTA TBT adopted as well as all harmonised standards adopted as Georgian standards.</p>	<ul style="list-style-type: none"> Project interim and final reports; AA & DCFTA implementation reports; GEOSTM/MoESD Reports; Analysis reports and recommendations; Promotional materials. 	<ul style="list-style-type: none"> Lack of sufficient support and/or means from relevant institutions; Lack of commitment from different authorities; Delays in adopting new and /or amended regulations; 	<ul style="list-style-type: none"> Government commitment on fulfilment of AA and DCFTA continued; Strong support and commitment from the senior management of GEOSTM and MoESD; Good communication between the Beneficiary, project team and stakeholders; All relevant documentation/information available.

Description	Indicators (with relevant baseline and target data)	Sources of verification	Risks	Assumptions (external to project)
Specific (Project) Objective(s)				
<p>The specific objective of the project is further to strengthen institutional as well as human capacities of Georgian National Agency for Standards and Metrology (GEOSTM) to meet the requirements derived from the AA and DCFTA through continued legal approximation process, development of National Quality Infrastructure Institutions, alignment of GEOSTM's practices and procedures to the EU ones as well as broadening network in the field of Metrology and Standardization, with special focus on European research programs e.g. EMPIR).</p>	<ul style="list-style-type: none"> Number of European, as well as international standards adopted as Georgian standards <p>Baseline: 15000 Target: 18000 standards by the end of project implementation.</p> <ul style="list-style-type: none"> Availability of new metrology services in reference materials field <p>Baseline: At present, there are no services in the field of reference materials Target: At least one service in the field of reference materials in phys-chemistry available by the end of project implementation period</p>	<ul style="list-style-type: none"> AA and DCFTA Implementation reports; Project interim and final reports; GEOSTM/MoESD reports; Analysis reports and recommendations; Promotional materials; Number of internationally recognised services (CMCs) published. 	<ul style="list-style-type: none"> Lack of sufficient support and/or means from relevant institutions; Lack of sufficient capacity in GEOSTM; Lack of commitment from different authorities; Delays in adopting new and /or amended regulations. 	<ul style="list-style-type: none"> Government commitment on fulfilment of AA and DCFTA continued; Strong support and commitment from the senior management of GEOSTM and MoESD; Good communication between the Beneficiary, project team and stakeholders; All relevant documentation/information available.
Description	Indicators (with relevant baseline and target data)	Sources of verification	Risks	Assumptions (external to project)
Mandatory results/outputs by Components				
<p>1. Approximation of Georgian legal Framework in metrology (MID 2014/32/EU ; NAWI 2014/31/EU and 80/181/EEC) and</p>	<ul style="list-style-type: none"> Number of European harmonized standards adopted as Georgian national standards in support of legal approximation process <p>Baseline: Up to now, GEOSTM have</p>	<ul style="list-style-type: none"> Project documentation, interim and final reports; Project activity reports (consultations, discussion, and 	<ul style="list-style-type: none"> Lack of commitment from different authorities at governmental level; 	<ul style="list-style-type: none"> Government commitment on fulfilment of AA and DCFTA continued; Strong support and commitment from the senior management of GEOSTM and MoESD; Good communication between the

<p>standardization ((EU No 1025/2012) fields with relevant EU Regulations/Directives further enhanced</p>	<p>adopted approximately 1800 harmonised standards Target: About 3000 harmonised EN standards to be adopted as Georgian standards during the project implementation period⁹</p> <ul style="list-style-type: none"> • Availability of drafts of relevant legislation (drafts of new acts or of amendments) for further alignment with requirements of regulation EU 1025/2012 and MID (for selected measuring instruments), NAWI and Directive on Units of Measurements. <p>Baseline: 2019 - There are no relevant drafts or amendments of legal acts for approximation with EU 1025/2012 and MID (for selected measuring instruments), NAWI and Directive on Units of Measurements Target: Relevant drafts of new and/or amendments for existing legal acts developed and agreed with GEOSTM during the project implementation period¹⁰</p>	<p>stakeholder feedback);</p> <ul style="list-style-type: none"> • STEs' reports; • Study visit reports. 	<ul style="list-style-type: none"> • Lack of sufficient support and/or means of relevant institutions • Delays in project implementation process. 	<p>Beneficiary, project team and stakeholders;</p> <ul style="list-style-type: none"> • All relevant documentation/information available. • Formal or procedural obstacles to take part in research and development projects;
<p>2. Services of GEOSTM in the field of Metrology, particularly internationally recognized ones according to ISO/IEC 17025:2017 and ISO 17034:2016, for Georgian enterprises, laboratory network, regulatory bodies and other interested parties</p>	<ul style="list-style-type: none"> • Number of internationally recognised services (CMCs) Baseline: 2019 - 32 CMCs Target: 45 CMCs by the end project implementation period • Status of QMS according to ISO 17034:2016 Baseline: 2019 - There is no QMS according to ISO 17034:2016 in 	<ul style="list-style-type: none"> • Project reports; • Project documentation (working procedures, activity reports, SV reports and etc.); • Training materials, training participants lists, training evaluations, training certificates; • GEOSTM QMS 		

⁹ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

¹⁰ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

increased	<p>GEOSTM Target: QMS of GEOSTM according to ISO 17034:2016 developed, implemented and peer reviewed by the end project implementation period¹¹</p>	<p>documents according to ISO 17034;</p> <ul style="list-style-type: none"> • CMCs published in KCDB. • Peer review report of QMS according to ISO 17034:2016.
<p>3. GEOSTM capacity to fulfil requirements of DCFTA in standardisation field strengthened and involvement of interested parties in standardisation process increased</p>	<ul style="list-style-type: none"> • Status of implementation/certification of QMS according to 9001 in Standards Department of GEOSTM <p>Baseline: 2019 - QMS according to ISO 9001:2015 is on initial stage of development in Standards Department, no certification of QMS has been undertaken</p> <p>Target: QMS according to ISO 9001:2015 implemented and certified in Standards Department of GEOSTM by the end of the project implementation¹²</p> <ul style="list-style-type: none"> • Availability of special terminological software for enhancement of standards translation process in Georgia <p>Baseline: No special terminological software available at present.</p> <p>Target: Special terminological software operational in Standards Department of GEOSTM during project implementation¹³</p> <ul style="list-style-type: none"> • Number of standards, including harmonised EN standards, translated in Georgian 	<ul style="list-style-type: none"> • Project documentation, interim and final reports; • Mission reports; • Training materials, training participants lists, training evaluations, training certificates; • Study visit reports; • Specifications for terminological software; • GEOSTM Standards Department QMS internal documents, procedures, audit plans, reports; • QMS certification report and certificate.

¹¹ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

¹² Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

¹³ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>Baseline: about 25 priority standards in average translated annually, in total about 130 standards already translated, during previous twinning project (2017-2019) about 20 standards translated.</p> <p>Target: Additionally about 25 priority standards translated during the project implementation period¹⁴</p>	
<p>4. GEOSTM involvement in international/regional metrology and standardization organizations increased and the role as regional service provider strengthened as well as GEOSTM research and development capacities increased through integration in European R&D programs in Metrology field</p>	<ul style="list-style-type: none"> • Degree of GEOSTM participation in International/regional standardisation and metrology organizations <p>Baseline: GEOSTM representatives participate in 4 events (GA's, TC meetings etc.) of international and in 8 events of regional standardization and metrology organizations per year in average</p> <p>Target: To increase rate of participation to 24 events per year by the end of project implementation¹⁵</p> <ul style="list-style-type: none"> • Range/number of services provided by GEOSTM in South Caucasus region <p>Baseline: On regional level, GEOSTM provides services mainly in the fields of Ionizing radiation, mass and temperature measurements</p> <p>Target: To provide at least 2 services additionally in other fields e.g., humidity, small volume etc. by the end of project implementation period¹⁶</p> <ul style="list-style-type: none"> • Number of EMPIR/similar projects with participation of GEOESTM 	<ul style="list-style-type: none"> • Project documentation, • Project reports; • Mission reports; • Training materials, training participants lists, training evaluations, training certificates; • Study visit reports; • PR, marketing, promotional materials; • STE mission reports; • Project documentation (working procedures, activity reports and etc.); • Registration confirmation on research and innovation participants' portal; • Developed Project proposals;

¹⁴ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

¹⁵ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

¹⁶ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>Baseline: 2019 - GEOSTM has not participated in EMPIR or similar projects</p> <p>Target: GEOSTM has participated in at least 1 EMPIR or similar project by the end of project implementation period¹⁷</p>			
Description	Indicators (with relevant baseline and target data)	Sources of verification	Risks	Assumptions (external to project)
Sub-results per component (optional and indicative)				
1.1 GEOSTM prepared to deal with further developments prescribed from legal approximation requirements in standardization and metrology fields	<ul style="list-style-type: none"> • Availability of GEOSTM internal procedures in line with MID (for selected measuring instruments) and NAWI, based on international standards (ISO/IEC 17025, ISO/IEC 17020), harmonized European standards, OIML documents and relevant conformity assessment modules (e.g. modules - F, F1, G etc.) <p>Baseline: No relevant internal procedures available at present Target: Drafts of internal procedures in line with MID (for selected measuring instruments) and NAWI, based on international standards (ISO/IEC 17025, ISO/IEC 17020), harmonized European standards, OIML documents and relevant conformity assessment modules (e.g. modules - F, F1, G etc.) jointly developed and accepted by GEOSTM¹⁸</p> <ul style="list-style-type: none"> • Availability of relevant internal procedures, for further alignment of GEOSTM practices and procedures with requirements of regulation EU 1025/2012 	<ul style="list-style-type: none"> • GEOSTM reports on adoption of standards; • Project reports including part of recommendations on legislation; • Project documentation, interim and final reports; • Project activity reports (list of participants, consultations, discussion, stakeholder feedback); • STE mission reports; • Study visit reports; • Training materials, lists of participants, training evaluation documents. 	<ul style="list-style-type: none"> • Insufficient human resources; • Lack of commitment from different authorities; • Delays in project implementation process; 	<ul style="list-style-type: none"> • Government commitment on fulfilment of AA and DCFTA continued; • Strong support and commitment from the senior management of GEOSTM and MoESD; • Good communication between the Beneficiary, project team and stakeholders; • All relevant documentation/information available.

¹⁷ Priorities and concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

¹⁸ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

Baseline: No relevant internal procedures available at present.

Target: Drafts of internal procedures in line with requirements of regulation EU 1025/2012 jointly developed and accepted by GEOSTM¹⁹

- Number of representatives of relevant interested parties aware of administrative, institutional and technical aspects of directives/regulation: EU 1025/2012, MID 2014/32/EU; NAWI 2014/31/EU and 80/181/EEC,

Baseline: In average 40 representatives from different interested parties participate annually in about 2 awareness raising events.

Target: To increase representation up to 60 representatives annually in about 3 awareness events on administrative, institutional and technical aspects of directives/regulation: EU 1025/2012, MID 2014/32/EU; NAWI 2014/31/EU and 80/181/EEC during the project implementation period

- Share of GEOSTM Metrology Institute relevant staff capable to deal with technical as well as administrative requirements for the selected measuring instruments based on MID and NAWI directives

Baseline: 2019 - Limited and very basic introductory knowledge on MID and NAWI directives of about 12% of GEOSTM staff

Target: Up to 30% of GEOSTM Metrology Institute staff have acquired

¹⁹ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>in-depth knowledge on MID and NAWI by the end of project implementation period²⁰</p> <ul style="list-style-type: none"> • Share of staff of GEOSTM and MoESD (where relevant) who gained practical experience and knowledge on the aspects of implementation of MID, NAWI, regulation 1025 <p>Baseline: 2019 - Limited and very basic knowledge among staff of GEOESTM on implementation of MID, NAWI, regulation 1025</p> <p>Target: About 10% of GEOSTM staff gained in-depth practical experience on implementation of MID, NAWI and regulation 1025 by the end of project implementation period²¹</p>			
<p>2.1 Capacity of GEOSTM Metrology Institute to provide new or wider range services to interested parties e.g. testing and calibration laboratories, enterprises in food, pharmaceutical, wine, construction sector etc. Strengthened</p>	<ul style="list-style-type: none"> • Availability of the detailed training plan <p>Baseline: 2019 - Not structured requests on trainings of GEOSTM reference laboratories</p> <p>Target: Plan, based on needs assessment, developed and agreed with GEOSTM within first 4 months of the project implementation</p> <ul style="list-style-type: none"> • Status of new/modified calibration procedures (improved range, uncertainty etc.) in selected fields (e.g. time and frequency, acoustics, pressure, temperature and humidity, mass and related quantities, vibration, optics, electricity and magnetism, length and angle, ionizing radiation, Phys-chemistry) 	<ul style="list-style-type: none"> • Project reports; • Project documents; • Training plan based on training needs assessment; • GEOSTM QMS internal documents, • New/modified calibration procedures; • STE mission reports; • Training materials, training participants lists, training materials, training evaluations; • Study visit reports; 	<ul style="list-style-type: none"> • Insufficient human resources; • Lack of commitment from relevant structural units; of GEOSTM • Delays in project implementation process; • Availability of Transfer standards for Comparisons; • Problems with 	<ul style="list-style-type: none"> • Government commitment to GEOSTM to fulfil of AA and DCFTA requirements and to further align to EU practices, continued; • Strong support and commitment from the senior management of GEOSTM and MoESD; • Good communication between the Beneficiary, project team and stakeholders; • All relevant documentation/information available.

²⁰ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

²¹ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>Baseline: Inventory (list) of all approved calibration procedures of GEOSTM.</p> <p>Target: At least 8 calibration procedures (improved range, uncertainty etc.) in selected fields (e.g. time and frequency, acoustics, pressure, temperature and humidity, mass and related quantities, vibration, optics, electricity and magnetism, length and angle, ionizing radiation, Phys-chemistry) developed/modified and adopted by GEOSTM²²</p> <ul style="list-style-type: none"> • Share of GEOSTM Metrology Institute staff who gained theoretical and practical knowledge and have implemented new/modified advanced methods in their daily practice in selected fields of measurements (e.g. time and frequency, acoustics, pressure, temperature and humidity, mass and related quantities, vibration, optics, electricity and magnetism, length and angle, ionizing radiation, Phys-chemistry) as well as on priority issues of ISO/IEC 17025:2017. <p>Baseline: During previous twinning project (2017-2019 GEOSTM staff underwent training in different fields of measurements - about 80% of staff basic trainings, about 30% in depth trainings including practical experience through internships/study visits.</p> <p>Target: At least 90% of GEOSTM Metrology Institute staff (2 representatives from each reference laboratory) acquired in depth theoretical knowledge and at least 50% of staff gained practical experience and have implemented new/modified advanced methods in their daily practice in selected</p>		<p>organization of peer review of QMS according to ISO 17034:2016.</p>	
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²² Priority fields and concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>fields of measurements (e.g. time and frequency, acoustics, pressure, temperature and humidity, mass and related quantities, vibration, optics, electricity and magnetism, length and angle, ionizing radiation, Phys-chemistry) as well as on priority issues of ISO/IEC 17025:2017²³</p>			
<p>2.2 Capability of GEOSTM Phys-Chemical Reference Laboratory to provide new service – production of reference materials (in priority field certified reference materials) according to the international standard ISO 17034:2016 to interested parties increased</p>	<ul style="list-style-type: none"> • Availability of detailed action plan for implementation of ISO 17034:2016 <p>Baseline: At present, no activities implemented regarding ISO 17034:2016</p> <p>Target: Action plan for implementation of ISO 17034:2016, based on gap analysis, including training needs, developed and accepted during first 6 months of the project implementation</p> <ul style="list-style-type: none"> • Share of GEOSTM Phys-chemical reference laboratory staff trained on preparation/production and certification of priority reference materials, on requirements of ISO 17034:2016 as well as on internal audit of QMS on reference materials <p>Baseline: 2019 - No staff training conducted on preparation/production and certification of priority reference materials, on requirements of ISO 17034:2016 as well as on internal audit of QMS on reference materials</p> <p>Target: Trainings for 100 % of phys-chemical laboratory staff and up to 5 % other relevant staff (e.g. quality manager, MI director, relevant administrative staff) on preparation/production and certification of priority reference materials, on requirements of ISO</p>	<ul style="list-style-type: none"> • Project reports; • Action plan based on needs assessment and feedback from interested parties; • Project documents; • Training materials, training participants lists, training evaluations; • GEOSTM QMS according to ISO 17034:2016 internal documents; • STE mission reports; • Study visit reports; • Internal audit reports; 		

²³ Priority fields and concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>17034:2016 as well as on internal audit of QMS on reference materials conducted during the project implementation period²⁴</p> <ul style="list-style-type: none"> • Availability of Quality Management System documents, covering all requirements, necessary for demonstration of compliance with requirements of standard ISO 17034:2016; including internal audit reports and corrective actions plans <p>Baseline: 2019 - No QMS documents on ISO 17034:2017 available, nor internal audit according to ISO 17034:2017 conducted.</p> <p>Target: Jointly developed QMS documentation necessary for demonstration of compliance with requirements of standard ISO 17034:2016 approved by GEOSTM, as well as internal audit of QMS against ISO 17034:2016 jointly conducted and corrective actions planned during the project implementation period²⁵</p> <ul style="list-style-type: none"> • Share of GEOSTM Metrology Institute staff having gained practical experience/knowledge and capable to carry out production and certification of reference materials <p>Baseline: 2019 - No practical experience of GEOSTM Metrology Institute staff to carry out production and certification of reference materials</p> <p>Target: About 10% of GEOSTM MI</p>		
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²⁴ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

²⁵ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>staff gained practical experience on production of CRMs of respective EU institution (e.g. Joint Research Center JRC - IRMM)²⁶</p>			
<p>2.3 GEOSTM Phys-Chemical Reference Laboratory prepared for international recognition of its new service (CMCs) - production of reference materials (in priority field certified reference materials) according to the international standard ISO 17034:2016</p>	<ul style="list-style-type: none"> • Availability of report of pre-peer assessment of GEOSTM Metrology Institute QMS (according to ISO/IEC 17025:2017 and with particular focus on ISO 17034:2016) <p>Baseline: 2019 - No assessment against ISO 17034:2016 conducted</p> <p>Target: Pre-peer assessment of GEOSTM Metrology Institute QMS (according to ISO/IEC 17025:2017 and with particular focus on ISO 17034:2016) conducted during project implementation period²⁷</p> <ul style="list-style-type: none"> • Status of submission of GEOSTM's QMS according to ISO 17034:2016 and status of oral presentation of QMS made by GEOSTM relevant staff according to COOMET rules at relevant COOMET TCs <p>Baseline: 2019 - No presentation of QMS according to ISO 17034:2016 conducted.</p> <p>Target: Written and Oral presentations of QMS according to ISO 17034:2016 at COOMET relevant TC's conducted during project implementation period²⁸</p> <ul style="list-style-type: none"> • Availability of report of peer assessment of QMS of GEOSTM according to COOMET rules 	<ul style="list-style-type: none"> • Project reports; • Project documents; • Training plan based on training needs assessment; • STE mission reports; • Study visit reports; • Pre-peer Assessments/ evaluations reports; • COOMET evaluation report. 		

²⁶ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

²⁷ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

²⁸ Timing depends on schedule of relevant TCs of COOMET.

	<p>Baseline: 2019 - No peer assessment against ISO 17034:2016 conducted; Target: GEOSTM prepared for peer-assessment according to ISO 17034:2016 and Peer-assessment by relevant COOMET experts conducted during project implementation period²⁹</p>			
<p>2.4 Support in demonstration of technical competence and traceability of GEOSTM reference laboratories delivered</p>	<ul style="list-style-type: none"> • Availability of reports of comparisons GEOSTM take part in for support of GEOSTM CMCs in priority fields (either extension of the scope, improvement of uncertainty or new fields of measurements) <p>Baseline: Participation in comparisons is conducted on permanent basis, there is need in comparisons for new/modified services. Target: At least 4 comparisons of measurement standards for new/modified services conducted during project implementation period³⁰</p> <ul style="list-style-type: none"> • Availability of calibration certificates for GEOSTM reference standards (e.g. Phys-chemistry, electrical measurements, radio physics, acoustics, time and frequency, pressure, mass, length, temperature and humidity, ionising radiation) issued by NMIs with respective CMCs <p>Baseline: Calibration of measurement standards is conducted on permanent basis, there is need in calibration for ensuring traceability on regular basis, especially for new/modified services Target: At least 8 calibrations of GEOSTM reference standards conducted to support traceability during project</p>	<ul style="list-style-type: none"> • Project reports; • Project documents; • Training materials, training participants lists, training materials, training evaluations; • GEOSTM QMS internal documents, calibration procedures; • STE mission reports; • Calibration certificates of GEOSTM equipment; • Study visit reports; • key or supplementary Comparisons reports; • Proficiency testing reports. 		

²⁹ Timing to be defined with project partner in coordination with COOMET relevant TC.

³⁰ Priority fields for comparisons and concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>implementation period³¹</p> <ul style="list-style-type: none"> • Availability of report of ILC or proficiency testing, piloted by GEOSTM for local laboratories/interested parties using reference materials produced by GEOSTM <p>Baseline: ILCs only in the field of mass and length were conducted for local laboratories by GEOSTM in 2013 and 2016.</p> <p>Target: At least 1 ILC or PT conducted for local laboratories; GEOSTM able to perform function of pilot laboratory in the field of reference materials during the project implementation period³²</p>			
<p>3.1 Further alignment of GEOSTM Standards Department to CEN/CENELEC best practices through implementation and certification of the QMS in accordance with ISO 9001:2015 supported</p>	<ul style="list-style-type: none"> • Availability of action plan for implementation and certification of Quality Management System (QMS) according to ISO 9001:2015 and of all necessary internal documentation e.g. guidelines/procedures, operating work instructions etc.; <p>Baseline: 2019 - No formalised action plan for implementation and certification of Quality Management System according to ISO 9001:2015 available, as of QMS documents against ISO 9001:2015 - partly developed</p> <p>Target: Action plan for implementation and certification of Quality Management System according to ISO 9001:2015 developed and accepted by GEOSTM</p>	<ul style="list-style-type: none"> • Project reports; • Project documents; • Training materials, training participants lists, training evaluations; • GEOSTM Standards Department QMS internal documents, procedures, audit plans, reports; • Joint internal audit report; • STE mission reports; • Study visit reports; 	<ul style="list-style-type: none"> • Insufficient human resources; • Lack of commitment from relevant structural units; of GEOSTM • Delays in project implementation process; 	<ul style="list-style-type: none"> • Government commitment to GEOSTM to fulfil of AA and DCFTA requirements and to further align to EU practices, continued; • Strong support and commitment from the senior management of GEOSTM and MoESD; • Good communication between the Beneficiary, project team and stakeholders; • All relevant documentation/information available.

³¹ Priority measurement standards and concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

³² Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>during first 6 months of the project implementation; all necessary QMS documents e.g. guidelines/procedures, operating work instructions etc. related to the implementation of Quality Management System according to ISO 9001:2015 jointly developed and accepted by GEOSTM during first 18 months of project implementation.</p> <ul style="list-style-type: none"> • Share of GEOSTM standards department staff who participated in capacity building activities on ISO 9001:2015 <p>Baseline: 2019 - Standards Department staff undergo basic trainings on ISO 9001:2008 Target: All staff of Standards Department trained on advanced level on ISO 9001:2015 during first 18 months of the project implementation</p> <ul style="list-style-type: none"> • Availability of reports on pre-assessment and on certification of QMS according to ISO 9001:2015 <p>Baseline: 2019 - No Certification of QMS according ISO 9001:2015 performed Target: Certification of QMS according to ISO 9001:2015 conducted by relevant accredited Certification Body and relevant reports available by the end of the project implementation³³</p>	<ul style="list-style-type: none"> • Assessments/ evaluations reports; • Corrective actions plan; • Certification report/certificate; • Specifications for special terminological software. 		
<p>3.2 Participation of technical experts from interested parties, particularly SMEs in standardization work of Technical Committees of</p>	<ul style="list-style-type: none"> • Availability of list of priority fields for possible mirror committees as well as of an action plan for creation of national mirror committee/s <p>Baseline: 2019 - priority fields for</p>			

³³ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

<p>European and International standardization organizations (e.g. CEN, CENELEC, ETSI, ISO, IEC) increased and conditions for creation of national mirror committees prepared</p>	<p>possible mirror committees not identified</p> <p>Target: Priority fields for possible mirror committees identified based on feedback from interested parties and an action plan jointly developed and accepted by GEOSTM during the first year of the for creation of national mirror committee/s drafted and accepted by GEOSTM by the end of the project implementation (detailed timing to be defined with project partner).</p> <ul style="list-style-type: none"> • Share of Standards department staff and members/potential members of technical committees trained on creation and operation of mirror committees, including on issues of distance participation of experts therein <p>Baseline: Basic trainings on mirror committees conducted in previous twinning project in 2018.</p> <p>Target: In depth training covering all aspects of operation of mirror committees conducted for 80% of staff and potential members of mirror committee/s during the project implementation period (detailed timing to be defined with project partner)</p> <ul style="list-style-type: none"> • Share of representatives from national standardisation technical committees (particularly representatives of SMEs) together with secretaries of respective national TCs who gained experience in relevant international/regional standardisation technical committees <p>Baseline: No mirror committees established yet; in average 1 member of TC participates annually during 2017-2019 in international/regional standardisation bodies TC meeting</p>			
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	<p>Target: TC members (secretaries and SME representatives) participation annually increased to at least 2 members during the project implementation period³⁴</p>
<p>3.3 Practical skills for the implementation and application of Construction Product Regulation CPR (Regulation (EU) No 305/2011) and Directive (2009/48/EC) on Safety of Toys with particular emphasis on application of EU harmonized standards increased</p>	<ul style="list-style-type: none"> • Share of representatives from different interested parties aware about requirements and practical application of relevant standards of CPR Regulation (EU) No 305/2011 <p>Baseline: 2019 - No trainings on application of harmonised standards of CPR Regulation (EU) No 305/2011 conducted</p> <p>Target: At least 2 trainings/seminars on application of harmonised standards of CPR Regulation (EU) No 305/2011 organised, 1 of them in a selected region of Georgia, each with about 25 participants during the project implementation period³⁵</p> <ul style="list-style-type: none"> • Share of representatives of different interested parties aware about requirements and practical application of relevant standards of Directive (2009/48/EC) on Safety of Toys <p>Baseline: No trainings on application of harmonised standards of Directive (2009/48/EC) on Safety of Toys conducted</p> <p>Target: 2 trainings/seminars on Directive (2009/48/EC) on Safety of Toys organised, 1 of them in a selected region of Georgia, each with about 25 participants during the project implementation period³⁶</p>

³⁴ Priority TCs to be identified and concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

³⁵ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

³⁶ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<ul style="list-style-type: none"> • Share of GEOSTM staff and representative of MoESD (where relevant) who gained experience on practical aspects of Eurocodes and related guidelines, standards <p>Baseline: 2019 - only basic trainings on practical aspects of Eurocodes and related guidelines, standards conducted; translation of Eurocodes being performed under auspices of MoESD</p> <p>Target: About 10% of GEOSTM Standards Department staff participated in in-depth trainings on practical aspects of Eurocodes and related guidelines, standards and gained practical knowledge of relevant MS Institution e.g. JRC during the project implementation period³⁷</p>
3.4 Standards translation capacities of GEOSTM enhanced	<ul style="list-style-type: none"> • Availability of Terminological database, including Georgian versions of CEN /CENELEC Guide 17 “SME Standardization Guide” <p>Baseline: 2019 – Neither Terminological database, nor translation of CEN /CENELEC Guide 17 “SME Standardization Guide” available.</p> <p>Target: Terminological database developed and accepted by GEOSTM by the end of project implementation period³⁸; CEN /CENELEC Guide 17 “SME Standardization Guide” translated within first 8 months of project implementation</p> <ul style="list-style-type: none"> • Share of GEOSTM relevant staff and members of standardization technical committees involved in standards

³⁷ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

³⁸ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>translation process trained on general principles and methods of Terminological database</p> <p>Baseline: 2019- No trainings on terminological database conducted. Target: 70% of standards department staff trained on general principles and methods of Terminological database during the project implementation period³⁹</p> <ul style="list-style-type: none"> • Share of GEOSTM relevant staff and other interested parties trained on available and/or developed terminological software application <p>Baseline: 2019 – No terminological software available and respectively no trainings conducted. Target: 90% of Standards Department staff trained on developed terminological software during the project implementation period⁴⁰</p>			
<p>4.1 Public outreach/awareness increased, and capacity to deliver sales of GEOSTM services on regional (south Caucasus) level strengthened</p>	<ul style="list-style-type: none"> • Availability of visibility and promotional materials tailored to the different target groups, including ones for South Caucasus region <p>Baseline: Some visibility materials (e.g. leaflets on standardisation and metrology reference divisions, video on importance of standardisation and metrology) were developed during previous twinning project in 2018-2019. New services and directions of GEOSTM are not reflected in those materials. Target: Visibility and promotional materials tailored to the different target groups, including ones for South</p>	<ul style="list-style-type: none"> • Project reports; • Trainings’/ meetings’ documents, reports, lists of participants, training materials, training evaluations); • Developed and printed PR, marketing, visibility and promotional materials (e.g. brochures, leaflets, articles, informative video etc.); • STE mission reports; 	<ul style="list-style-type: none"> • Lack of communication and feedback from relevant stakeholders; • Changes in rules and procedures in different organizations. 	<ul style="list-style-type: none"> • Government commitment to GEOSTM to fulfil of AA and DCFTA requirements and to further align to EU practices, continued; • Strong support and commitment from the senior management of GEOSTM and MoESD; • Good communication between the Beneficiary, project team and stakeholders; • Good communication with relevant international/regional organisations. • For regional events, on-site visits in Armenia and Azerbaijan**

³⁹ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

⁴⁰ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>Caucasus region and reflecting new services and directions of GEOSTM jointly developed and accepted by GEOSTM during the project implementation period⁴¹</p> <ul style="list-style-type: none"> • Share of GEOSTM staff, capable to conduct seminars/trainings tailored for the needs of interested parties in different measurements fields and on standardization issues <p>Baseline: 2019 - No ToT activities conducted for GEOSTM staff Target: Up to 30% (about 25 person) of GEOSTM staff trained through ToT tailored for the needs of interested parties in different measurements fields and on standardization issues during the project implementation period⁴²</p> <ul style="list-style-type: none"> • Number of awareness raising activities conducted at central and regional levels including regional events for interested parties in South Caucasus region covering different fields of measurements as well as Standardization issues <p>Baseline: In average 2 awareness raising events, open day type events conducted annually during 2014-2019, no awareness raising events in South Caucasus region conducted. Target: At least 4 events in regions of Georgia covering different fields of measurements as well as Standardization issues with about 20 or more participants in each, and At least 2 events in South Caucasus region conducted during the</p>	<ul style="list-style-type: none"> • Regional events' participants list, materials, presentations, mission reports. 	<p>STEs, interpretation, venue and preparation of materials should be ensured by project.</p>
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⁴¹ Priorities and concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

⁴² Priorities and concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan

	<p>project implementation period⁴³</p> <ul style="list-style-type: none"> • Availability of recommendations for simplification/streamlining administrative and logistical procedures (including customs and transportation issues). <p>Baseline: 2019 - No recommendations available for simplification procedures available.</p> <p>Target: Gap analysis of existing situation/procedures (including customs and transportation issues) conducted, recommendations developed during the project implementation period ⁴⁴</p>			
<p>4.2 Cooperation of GEOSTM with different international and regional (European) standardization organizations strengthened</p>	<ul style="list-style-type: none"> • Level of involvement GEOSTM relevant staff in the following standardization events: <ul style="list-style-type: none"> – CEN /CENELEC/ETSI General Assemblies; – ISO, IEC General Assemblies; – CEN/CENELEC/ETSI relevant technical committees meetings and relevant seminars/trainings; – ISO, IEC relevant technical committees meetings and relevant seminars/trainings <p>Baseline: In average GEOSTM representatives take part in 4 events of international/regional standardisation organisations annually</p> <p>Target: GEOESTM representatives participated in at least 5 events annually (at least 10 events in total) during the project implementation period⁴⁵</p>	<ul style="list-style-type: none"> • Project reports; • Study visit reports; • Relevant reports of respective international/regional organizations (if appropriate); 		

⁴³ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan

⁴⁴ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan

⁴⁵ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan

<p>4.3 Participation and integration of GEOSTM with different international and regional (European) metrology organizations strengthened</p>	<ul style="list-style-type: none"> • Level of involvement GEOSTM relevant staff in the following Metrology events: <ul style="list-style-type: none"> – BIPM, OIML, JCRB General Assemblies, Meetings; – COOMET Committee Meeting and COOMET relevant technical Committee meetings; – EURAMET meetings, particularly General Assemblies and Quality Technical Committee meetings; IMECO relevant meetings <p>Baseline: In average GEOSTM representatives take part in 5 events of international/regional metrology organisations annually.</p> <p>Target: GEOSTM representatives participated in at least 6 events annually (at least 12 events in total) during the project implementation period⁴⁶</p>			
<p>4.4. Capacity of GEOSTM Metrology Institute (both administrative and technical) to participate in European research programs (e.g. Horizon 2020, EMPIR and/or similar) developed</p>	<ul style="list-style-type: none"> • Number of GEOSTM Metrology Institute relevant staff trained to deal with administrative and technical issues (including the call, evaluation, negotiation and reporting stages) related to participation in EMPIR (or similar) projects; <p>Baseline: 2019 - No trainings on EMPIR or similar project conducted</p> <p>Target: At least 10 staff of GEOSTM MI trained, including practical trainings on all major aspects of EMPIR (or similar) projects preparation and submission (including the call, evaluation, negotiation and reporting stages) during</p>	<ul style="list-style-type: none"> • Project reports; • Training materials, list of training participants, training evaluations; • STE mission reports • Study visit reports; • GEOSTM registration code; • EMPIR (or similar) project proposals; • Relevant EMPIR (or similar) projects list. 	<ul style="list-style-type: none"> • Formal or procedural obstacles to take part in research and development projects; • Lack of sufficient capacity in GEOSTM; 	<ul style="list-style-type: none"> • Strong support and commitment from the senior management of GEOSTM and MoESD; • Good communication between the Beneficiary, project team and stakeholders; • Good communication with relevant international/regional organisations. • Experience of implementing party in EMPIR or similar projects.

⁴⁶ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

	<p>the project implementation period⁴⁷</p> <ul style="list-style-type: none"> • Availability of registration and assignment of Participants Identification Code (PIC – 9-digit code) to GEOSTM (Metrology Institute) for participate in EMPIR (or similar) projects, followed by submission of proposal/s (full package of documentation) according to the EMPIR rules. <p>Baseline: 2019 - Participants Identification Code in EMPIR (or similar) projects not assigned to GEOESTM and respectively have not developed nor submitted any EMPIR or similar project proposals.</p> <p>Target: GEOSTM assigned registration code (PIC – 9-digit code) for participation in EMPIR (or similar) projects⁴⁸; GEOSTM have submitted at least 1 proposal and participated in at least 1 EMPIR or similar project during the project implementation period⁴⁹</p> <ul style="list-style-type: none"> • Number of GEOSTM staff who gained practical experience on identification of possible partners and relevant projects through EMPIR partnering meetings <p>Baseline: 2019-GEOSTM staff do not have any experience on EMPIR or similar projects</p> <p>Target: 3 staff members of GEOSTM gained practical experience on EMPIR or similar project through partnering meetings⁵⁰</p>			
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⁴⁷ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

⁴⁸ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

⁴⁹ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.

⁵⁰ Concrete deadline to be defined with project partner(s) during elaboration of the initial rolling work-plan.