Standards Alliance: Phase 2

Annual Work Plan

Year 3   July 12, 2021 to July 11, 2022

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Contents

1. PROGRAM OVERVIEW/SUMMARY

Program Name:	Standards Alliance: Phase 2
Activity Start Date And End Date:	July 12, 2019 – July 11, 2024
Name of Prime Implementing Partner:	American National Standards Institute (ANSI)
Agreement Number:	#7200AA19CA00012
Name of Subawardees:	AdvaMed, American Concrete Institute (ACI), American Water Works Association (AWWA), ASTM International, Center for Water Security Cooperation (CWSC), Ethical Apparel Africa, International Association of Plumbing and Mechanical Officials (IAPMO), NSF International
Geographic Coverage (cities and or countries)	Brazil, Colombia, Peru, Mexico, Ghana, Kenya, South Africa, Zambia, West Africa (regional), Indo-Pacific (regional)
Work Plan Period:	Year 3 – July 12, 2021 – July 11, 2022

1.1 PROGRAM PURPOSE AND OBJECTIVES

Standards form the foundation of world trade and the efforts of the Standards Alliance help to create fertile ground for reciprocal trade with the U.S. Through increased adherence and understanding of standards and conformity assessment principles, participating nations will become more competitive in the global market, be more prepared for bilateral trade agreements, and be more capable of protecting their citizens from hazardous goods.

The Standards Alliance Phase 2 (SA2) will engage target populations including, but not limited to, foreign government officials and ministries responsible for standards, trade and consumer protection; foreign private sector; industry groups; civil society; consumer interest groups; business professionals; trade policy experts; and academia. The objective of this initiative is to build on the past successes, lessons learned and impact measured to-date of the first iteration of the Standards Alliance to support the capacity of developing countries in the areas of legal and regulatory framework, standards development, conformity assessment procedures, and private sector engagement. Achieving these goals also helps companies succeed globally by increasing market access for companies through more predictable and transparent avenues for trade and investment in partner markets/regions.

The implementing partner for this cooperative agreement is the American National Standards Institute (ANSI). ANSI is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system. ANSI's mission is to enhance U.S.

global competitiveness and the American quality of life by promoting, facilitating, and safeguarding the integrity of the voluntary standardization and conformity assessment system. Because of ANSI's unique role as a coordinating body and a bridge between the private and public sectors, the Institute can build partnerships and foster collaborative solutions for national and global priorities. And ANSI is a membership organization, providing members with the broadest access to up-to-date standards policy information and opportunities for participation, leadership, and influence. Finally, ANSI also promotes the use of U.S. standards internationally, advocates U.S. policy and technical positions in international and regional standards organizations, and encourages the adoption of international standards as national standards where they meet the needs of the user community.

The Standards Alliance Phase 2 will include activities in markets representing a variety of geographical regions and levels of economic development, subject to the agreement of USAID. In consultation with USAID Missions, U.S. government, and private sector experts, ANSI will select the countries/regions based on demonstrated commitment and readiness for assistance, as well as U.S. private sector interest and development impact. ANSI expects to engage on both a national and regional level when appropriate, and to engage partners in the Latin America, Africa, Middle East/North Africa, and Indo-Pacific regions.

SA2 Focus on Medical Devices to Support COVID-19 Response

In June 2020, USAID further recognized the critical role of standards and conformity assessment in supporting public health and safety through an obligation of $3.5 million to the SA2, which is part of the more than $20 billion that the United States has committed in assistance for the global COVID-19 response. This SA2 project will promote regulatory convergence in the context of COVID-19, good regulatory practice (GRP), and the adherence and adoption of medical device international standards. These objectives will also establish an efficient medical device regulatory environment and framework that will facilitate the COVID-19 response and diminish technical barriers to trade—thus promoting trade of medical devices. AdvaMed—a U.S. based trade association and ANSI member—will be the primary private sector partner of the project, and there will be select partner countries in Latin America, Africa, and Southeast Asia, with overflowing impacts within those regions.

2. ACTIVITY PLAN

2.1 SUMMARY OF SECOND YEAR (JULY 12, 2020 – JULY 11, 2021)

The SA2 made significant progress in project implementation in Year 2. ANSI worked with USAID, partner countries, private sector partners, USAID Missions, and additional stakeholders to finalize all subawards with USAID approval. In addition, SA2 COVID-19 response projects— the Medical Device Regulatory Convergence Project (MDRC) and Ethical Apparel Africa— reached major milestones, including gap analyses and stakeholder mapping, launching of the Inter-American Coalition for Regulatory Convergence, and trainings and webinars that have cumulatively reached approximately 2,000 participants. Internally, ANSI has also finalized the program management toolkit and has begun the launch of the SA2 website.

In addition, the baseline for most indicators was established through an adapted completion of needs assessments. As a result of delays brought on by the COVID-19 pandemic, the ANSI team postponed in-person country scoping needs assessments which were planned to begin in Latin America, Africa, and the Middle East. Instead, ANSI decided to move forward with conducting virtual needs assessments with partner countries and collected baseline data electronically where possible. ANSI completed desk review of available information and utilized conference calls with relevant in-country contacts to go over the missing information. The final needs assessment reports will be included with ANSI's Year 2 Annual Report, along with further program updates and reporting on Year 2.

ANSI anticipates that Year 3 will be the most productive yet as the subaward activities begin in earnest. The SA2 has become increasingly resilient to COVID-19 travel and meeting restrictions and has adapted work plans to hold most events virtually. ANSI will continue to track COVID-19 developments and prioritize public safety when considering potential events in Year 3.

2.2 LIST OF ACTIVITIES FOR YEAR 3 (JULY 12, 2021 – JULY 11, 2022) – NON-COVID-19 RELATED

This section includes descriptions of the SA2 activities planned for Year 3 that are not supported by COVID-19 funds. Activities are organized by geographic region and then development objective[1]. A table summarizing all SA2 activities for Year 3 follows section 2.3.

AFRICA

Development Objective #1: Countries have developed their national quality infrastructure

Activity #1 – Economic Community of West African States (ECOWAS) Clean Renewable Fuels Workshops

Private sector partner: Garner Advisors with support from POET, U.S. Grains Council, Growth Energy, Kristy Moore Consulting, ProExporter Network, Clean Cookstove Alliance, CLASP, Cornell University, Berkeley Air Monitoring, and Dalberg Advisors.

Partner countries for Year 3: West Africa (Ghana, Nigeria, and Senegal)

Description: This project will support national and regional workshops to enhance the understanding and uptake of international standards for clean renewable fuels across West Africa. Garner Advisors and a group of private sector partners will coordinate with the Economic Community of West African States (ECOWAS) Center for Renewable Energy and Energy Efficiency (ECREEE) to create momentum for clean fuel standards in order to galvanize further support for clean renewable fuels across the region. This event aims to provide a background on

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[1] For a full description of SA2 development objectives and the Results Framework, please consult the SA2 Monitoring, Evaluation, and Learning Plan (latest version dated: August 8, 2020)

key clean fuel standards, particularly biofuels standards, which can be utilized locally and regionally to meet energy, climate, health, and economic goals.

Expected results: Through this targeted engagement, we expect ECOWAS to adopt an international ethanol standard for household energy use (based on ASTM 3050) and to adopt/adapt a regional standard for renewable transportation fuels. These outcomes will increase the ability of users in ECOWAS nations to access clean renewable fuels, while strengthening the bilateral trade relationship for renewable fuels and eliminating technical barriers in the sector.

*This program was originally planned for Year 2, but met delays due to the global pandemic. In close coordination with the PIVOT and ECREEE teams, the SA2 has moved this activity to Q4 of 2021.

Activity #2 – Support for African Organization for Standardization (ARSO)
Private sector partner: Personal Care Product Council (PCPC)

Partner countries for Year 3: Africa (Continent-wide)

Description: As a continuation of capacity building for the African Organization of Standardization (ARSO) and its national member bodies, the Standards Alliance and the Personal Care Product Council (PCPC) will complete the ongoing cosmetics webinar series. This series includes virtual capacity building activities to enhance ARSO member understanding of international best practices in the cosmetics sector and to encourage harmonization of a continental cosmetics framework through ARSO technical committee 40 on cosmetics. This activity is completed entirely using non-federal contributions.

Expected results: To enhance ARSO members' understanding of international best practices in the cosmetics sector and encourage the adoption of a continent-wide cosmetics framework based on international best practice. Additionally, this activity will enhance U.S.-African relations, support the development of economic approaches to trade and investment across the continent aligned with international good practices, and eliminate a major trade barrier for U.S. cosmetics industry.

Activity #3 – Research on WASH-related product standards and their reference in law, regulation, and policy
Private sector partner: Center for Water Security Cooperation (CWSC)

Partner countries for Year 3: Ghana, Uganda, and Zambia

Description: To improve NQI and support stated WASH industry needs, CWSC is conducting research on the adoption and use of international WASH-related product standards and their reference in law, regulation and policy in Ghana, Uganda, and Zambia. The research intends to analyze how existing laws create an enabling environment for NQI, how institutions have adopted/implemented standards policy and how WASH standards are referenced in law, regulation and policy. In addition, the research aims to understand how WASH standards are influenced by sector and non-sector laws, regulations and policies, identifying any potential

roadblocks created by those laws that could hinder trade of quality WASH products. The research will also briefly examine workforce development, including whether industry associations have been formed and whether a skilled workforce has been institutionalized through required certification processes. Following this analysis, CWSC will provide recommendations on potential ways forward to reform and strengthen the laws, regulations and institutions governing and influencing standards in order to improve NQI.

- Activity #3.1 – Conduct deskwork to gather information about relevant laws, regulations, policies and standards in target countries from online sources and CWSC's network of contacts
- Activity #3.2 – Conduct in-person or virtual interviews with Ministries, regulators, National Standards Bodies, utilities, private sector partners and civil society organizations
- Activity #3.3 – Incorporate findings from deskwork and interviews into comprehensive country-level reports

Expected results (in Year 3):
- Development of 3 comprehensive, country-level reports (one for each country), based on deskwork and interviews, which evaluates the national-level laws, regulations and policies governing the development, adoption and use of WASH related standards
- Development of recommendations for in-country partners for addressing shortcomings discovered in country-level reports for each country
- Two virtual sessions per country with critical stakeholder to discuss results and recommendations based on the comprehensive country level diagnostic report
- Development and dissemination of one trend report examining trends on how the law creates a commitment to increasing access to drinking water and sanitation, how the law supports the adoption and application of WASH standards, and how the law creates an enabling environment for NQI and reduces barriers to trade in international WASH products
- Greater transparency of the laws governing the adoption and use of WASH standards
- Greater transparency of the institutions responsible for developing WASH standards or whose activities influence the development of the WASH standards

Activity #8 – Utility Management Standards Training for water sector utilities (also appears in Indo-Pacific)
Private sector partner: American Water Works Association (AWWA)

Partner countries for Year 3: Zambia, Malawi, and Lesotho

Description: AWWA proposes to utilize its series of 14 Utility Management Standards that focus on water utility management practices. The trainings will be tailored to stated participant needs/goals, with guidance provided for optimization of various aspects of management practices and operations. These standards 1) are applicable to utilities of all sizes and types, including potable water, wastewater and reclaimed water utilities, 2) can be implemented without major capital investments and 3) are outcome-oriented, serving to enhance public health protection. A major goal of the program is to promote awareness and implementation of standards, with workshop participants forming the core of a longer-term, sustainable effort to continue to expand

the implementation of international standards in Zambia, Malawi, and Lesotho.
- Activity #8.1 – AWWA to conduct a needs assessment survey to identify specific utility management standards of greatest interest to water sector utilities in Zambia, Malawi, and Lesotho and recruit a cohort of gender-diverse training participants from 15+ utilities
- Activity #8.2 – Develop training materials and agenda by AWWA staff and subject matter experts (SMEs)
- Activity #8.3 – Conduct training with participants from Zambia, Malawi, and Lesotho water utilities

Expected results (in Year 3):
- Water sector utilities interested in learning about and adopting utility management standards are identified and recruited in Zambia, Malawi, and Lesotho
- Content for workshops describing utility management standards aimed at target audiences in Zambia, Malawi, and Lesotho is developed and tailored, based on findings from needs assessment survey
- Training workshop achieves attendance within 10% of expectations (at least 15 utilities participating in the training with at least 2 staff attending from each utility)
- Copies of 14 AWWA Utility Management Standards are shared with each training participant

Development Objective #2: Private sector actively participates in countries' national quality infrastructure

Activity #5 – Economic Community of West African States (ECOWAS) Harmonization of Petroleum Standards

Private sector partner: ASTM International and American Petroleum Institute (API)

Partner countries for Year 3: West Africa (Côte d'Ivoire, Ghana, Nigeria, Senegal)

Description: The scope of this project aims to increase understanding and implementation of international petroleum standards and procedures, and to bolster harmonization of petroleum standards in the ECOWAS region. Together ASTM International and the American Petroleum Institute (API) will work with national standards bodies and technical experts in four West African countries (Côte d'Ivoire, Ghana, Nigeria, and Senegal) to assess petroleum standards and procedures capacity and understanding. Following initial assessments, ASTM and API will work with the four countries to identify regional priorities and develop trainings to review relevant international standards. Through these trainings and associated capacity building activities, ASTM and API will aid the West African nations in coordinating a regional standards committee through ECOWAS as well as the African Refiners and Distributers Association (ARDA) to harmonize regional petroleum standards and procedures.

In parallel to trainings to support regional and national understanding of targeted standards, ASTM and API will introduce locally appropriate standards and procedures to local technicians and vocational institutions through a series of workshops and course materials.
- Activity #5.3 - Maintain regular consulting meetings to raise public and private sector awareness and understanding of relevant international standards

- Activity #5.4 - Hold Virtual Task Group meetings to begin discussions on draft standards for the region as well as implementation of regional and national-level licensing and/or certification systems.
- Activity #5.5 - Hold a two-day working group meeting for technical experts in West Africa.
- Activity #5.6 – Conduct regular web conferences with working groups.
- Activity #5.7 – Host an exhibition booth and hold a two-day working group meeting in conjunction with the well-attended exhibition and conference, the Nigerian Oil and Gas Conference and Exhibition (NOG).

Expected results: The project seeks to help rekindle the dormant ECOWAS Technical Committee for Petroleum Standards and enhance West African understanding of international petroleum standards and procedures. These efforts aim to aid the adoption of various API and ASTM standards at the regional level, which will bolster the quality and safety of local petroleum products for ECOWAS nation companies and users.

Activity #6 Africa Concrete and Building Code Adoption Initiative

Private sector partner: American Concrete Institute (ACI)

Partner countries for Year 3: Kenya, Uganda and Tanzania

Description: The scope of this project aims at building awareness and confidence with key decision makers and influencers (including public agencies, private sector stakeholders, business and industry, academic and non-governmental stakeholders) in target countries on the adoption and implementation of modern building codes for construction materials, based on ACI's code already applied worldwide. This demand driven activity has three phases: In Phase 1, a multi-stakeholder dialogue on modern concrete building codes is launched by ACI to understand domestic views and needs; In Phase 2, ACI advances understanding among key stakeholders, namely professors, civil engineers, construction companies and government officials of modern reinforced concrete building standards embraced by ACI; In Phase 3, after buy-in has been secured, ACI advises how to develop and implement a Concrete Building Code customized to the community's need.
- Activity #6.1 – Research and identify the appropriate contacts in Kenya, Uganda, and Tanzania for the relevant government & ministries, engineering societies, and relevant university facilities.
- Activity #6.2 – Begin outreach and consulting meetings with interested parties including government and ministry representatives, standards organizations, engineering associations, and/or educational institutions to introduce ACI, ACI codes/standards.
- Activity #6.3 – Hold 3 working group meetings in Kenya, Uganda, and Tanzania respectively, to establish relationships and raise public and private sector awareness and understanding about the benefits of using ACI codes/standards and ACI code adoption.
- Activity #6.4 – Gather findings and input collected during outreach and working group meetings and establish the feasibility of proceeding to Phase 2 in consultation with various stakeholders and determine a timeframe for proceeding to Phase 3.
- Activity #6.5 – Sign agreements with countries to adopt ACI codes/ standards. (Phase 3)

- Activity #6.6 – Create a mechanism for basing code requirements on ACI standards and resources by working with key structural engineers, professors, and code development personnel in appropriate ministries.
- Activity #6.7 – Conduct detailed consulting work to customize a function ACI code for countries who decide to join the ACI code community (Phase 3)
- Activity #6.8 – Conduct regular web meetings and follow-up with working established contacts

Expected results (in Year 3):
- Create a conducive environment for the acceptance, use, and adoption of ACI standards and related technical programs to achieve the benefits of using these standards.
- Formalize agreements with entities in Uganda, Kenya, and Tanzania to become ACI business partners or sponsorship groups.
- Acceptance and use of ACI developed technical requirements by design professionals in target countries, supported by a collection of ACI guides, reports, and technical education programs.
- Improve domestic infrastructure quality, setting the foundations of a functioning and enforceable set of codes and standards for structural concrete and encourage the establishment of ACI Chapters, ACI Student Chapters in target countries.
- Enhance quality assurance through qualified personnel certification programs implemented by sponsor groups operating with agreements.
- Integrate ACI design criteria into college and university engineering curricula and technical and vocational program curricula.

INDO-PACIFIC

Development Objective #1: Countries have developed their national quality infrastructure

Activity #7 – Increase the Flow of WASH Services (also appears in Middle East North Africa)
Private sector partner: International Association of Plumbing and Mechanical Officials (IAPMO)

Partner countries for Year 3: Indonesia and the Philippines

Description: Through the *Increase the Flow* project, IAPMO is proposing to work with the SA2 in focusing on two growing economies: Indonesia and the Philippines. This project builds off successful projects previously carried out by IAPMO in each country, which laid a critical foundation. For this new phase of work, IAPMO has worked with industry stakeholders to identify specific hurdles and to develop discrete solutions that will enable the industry to "increase the flow" of safe plumbing products in these markets with an eye to developing reliable supply chains and expanding WASH-related services. This tailored approach is designed to help the private sector through long-lasting changes that ease market access requirements, address non-tariff barriers, and encourage the adoption of international developed standards that are industry-developed, science-based and internationally recognized.
- Activity #7.1 – Initiate development of new Indonesian national standard related to water

faucets, based on existing international standards.
- Activity #7.2 – Conduct review of National Building Code of the Philippines (NBCP), Philippine Green Building Code (PGBC) and current technical regulations related to water efficiency
- Activity #7.3 - Develop a Standards Action Plan identifying international product standards that will establish baseline and "reach" efficiency standards for plumbing products in the Philippines technical regulations
- Activity #7.4 – Conduct review of the Philippines legal requirements for the import and conformity assessment of plumbing products

Expected results:
- Work with the National Standardisation Agency of Indonesia (BSN) to prepare a draft Indonesian national standard (SNI) related to water faucets and convene a Technical Committee meeting (Indonesia)
- Developed Standards Action Plan (Philippines)
- Identified challenges in current conformity assessment scheme impacting water efficiency (e.g. testing waivers for importers, post-sampling adjustments)
- Developed Conformity Assessment Action Plan (Philippines)

Activity #8 – Utility Management Standards Training for water sector utilities (also appears in Africa)
Private sector partner: American Water Works Association (AWWA)

Partner countries for Year 3: India

Description: AWWA proposes to utilize its series of 14 Utility Management Standards that focus on water utility management practices. The trainings will be tailored to stated participant needs/goals, with guidance provided for optimization of various aspects of management practices and operations. These standards 1) are applicable to utilities of all sizes and types, including potable water, wastewater and reclaimed water utilities, 2) can be implemented without major capital investments and 3) are outcome-oriented, serving to enhance public health protection. AWWA intends to utilize existing WASH utility networks and subject matter experts built by its India office to strengthen WASH management practices in India. A major goal of the program is to promote awareness and implementation of standards, with workshop participants forming the core of a longer-term, sustainable effort to continue to expand the implementation of international standards in India.
- Activity #8.1 – AWWA India to conduct a needs assessment survey to identify specific utility management standards of greatest interest to water sector utilities in India and recruit a cohort of gender-diverse training participants from 15+ utilities
- Activity #8.2 – Develop training materials and agenda by AWWA staff and subject matter experts (SMEs)
- Activity #8.3 – Conduct training with participants from 15+ Indian water utilities in Mumbai and Hyderabad

Expected results (in Year 3):

- Water sector utilities interested in learning about and adopting utility management standards are identified and recruited in India
- Content for workshops describing utility management standards aimed at target audiences in India is developed and tailored, based on findings from needs assessment survey
- Training workshop achieves attendance within 10% of expectations (at least 15 utilities participating in the training with at least 2 staff attending from each utility)
- Copies of 14 AWWA Utility Management Standards are shared with each training participant

LATIN AMERICA

Development Objective #1: Countries have developed their national quality infrastructure

Activity #9 – Community Water Systems – Standards for safety and risk management (also appears in Middle East)
Private sector partner: NSF International

Partner countries for Year 3: Brazil

Description: Through its Community Water Systems project, NSF International is proposing to work with the SA2 in Brazil on sensitizing and training key stakeholders on the importance of adoption and application of NSF/ANSI drinking water standards, which nearly all U.S. states require (49/50). These standards work to improve public health by establishing minimum health effects and requirements for chemical contaminants and impurities that are directly imparted to drinking water from products, components and materials used in drinking water systems or chemicals used to treat drinking water. NSF International is aiming to engage the in-country regulator and other governmental stakeholders, manufacturers, water providers and user groups to sensitize and train on the value of how established ANSI/CAN standards seek to ensure safe wetted contact and performance for those products used in community water systems. The goal is to create a driver for manufacturer compliance to the standards via strengthening of regulation and as a procurement requirement for water providers. Product certification will not only advance public health regarding drinking water safety in Brazil, but certification will greatly improve marketability for the manufacturers globally, with an emphasis on North America.
- Activity #9.1 – Conduct a needs assessment to determine the guidelines and processes drinking water providers in Brazil are currently using
- Activity #9.2 – Conduct regulatory and governmental outreach and relationship building and strengthening to facilitate discussions on the benefits of NSF/ANSI/CAN drinking water standards
- Activity #9.3 – Hold trainings to address barriers to trade and awareness of other issues. (Q4 2021/Q12022)

Expected results (in Year 3):

- Developed action plan formed by findings of the needs assessment, with input from key stakeholders, which includes areas for improvement, how to handle existing gaps, and ways forward in year 3
- Established working relationships with regulatory and government WASH stakeholders in Brazil, who have been sensitized to the value and importance of NSF's drinking water standards
- Formation of a baseline list of Brazilian regulators, operators and manufacturers to be trained in program year 3

MIDDLE EAST NORTH AFRICA

Development Objective #1: Countries have developed their national quality infrastructure

Activity #7 – Increase the Flow of WASH Services (Also included in Indo-Pacific)
Private sector partner: International Association of Plumbing and Mechanical Officials (IAPMO)

Partner countries for Year 3: Jordan

Description: Through the Increase the Flow project, IAPMO is proposing to work with the SA2 in focusing on Jordan. This project builds off successful projects previously carried out by IAPMO in the country, which laid a critical foundation. For this new phase of work, IAPMO has worked with industry stakeholders to identify specific hurdles and to develop discrete solutions that will enable the industry to "increase the flow" of safe plumbing products in these markets with an eye to developing reliable supply chains and expanding WASH-related services. This tailored approach is designed to help the private sector through long-lasting changes that ease market access requirements, address non-tariff barriers to U.S. exports, and encourage the adoption of U.S. developed standards that are industry-developed, science-based and internationally recognized.
- Activity #7.5 – Conduct a review of Jordanian National Plumbing Code and current technical regulations related to water efficiency
- Activity #7.6 – Develop a Standards Action Plan identifying product standards that will establish baseline and "reach" efficiency standards for plumbing products in Jordan's technical regulations
- Activity #7.7 – Conduct review of Jordan's legal requirements for the import and conformity assessment of plumbing products

Expected results (in Year 3):
- Developed Standards Action Plan
- Identified challenges in current conformity assessment scheme impacting water efficiency (e.g. testing waivers for importers, post-sampling adjustments)
- Developed Conformity Assessment Action Plan

Activity #9 – Community Water Systems – Standards for safety and risk management (also appears in Latin America)

Private sector partner: NSF International
- Subaward approved Q1 2021. USAID Morocco Mission concurrence request pending as of July 2021.

Partner countries for Year 3: Morocco

Description: Through its Community Water Systems project, NSF International is proposing to work with the SA2 in Morocco on sensitizing and training key stakeholders on the importance of adoption and application of NSF/ANSI drinking water standards, which nearly all U.S. states require (49/50). These standards work to improve public health by establishing minimum health effects and requirements for chemical contaminants and impurities that are directly imparted to drinking water from products, components and materials used in drinking water systems or chemicals used to treat drinking water. NSF International is aiming to engage the in-country regulator and other governmental stakeholders, manufacturers, water providers and user groups to sensitize and train on the value of how established ANSI/CAN standards seek to ensure safe wetted contact and performance for those products used in community water systems. The goal is to create a driver for manufacturer compliance to the standards via strengthening of regulation and as a procurement requirement for water providers. Product certification will not only advance public health regarding drinking water safety in Morocco, but certification will greatly improve marketability for the manufacturers globally, with an emphasis on North America.
- Activity #9.1 – Conduct a needs assessment to determine the guidelines and processes drinking water providers in Morocco are currently using
- Activity #9.2 – Conduct regulatory and governmental outreach and relationship building and strengthening to facilitate discussions on the benefits of NSF/ANSI/CAN drinking water standards
- Activity #9.3 – Convene stakeholders and host two training events to increase awareness of the value of the program, including addressing barriers to trade

Expected results (in Year 3):
- Developed action plan formed by findings of the needs assessment, with input from key stakeholders, which includes areas for improvement, how to handle existing gaps, and ways forward in year 3
- Established working relationships with regulatory and government WASH stakeholders in Morocco, who have been sensitized to the value and importance of NSF's drinking water standards
- Formation of a baseline list of Morocco regulators, operators and manufacturers to be trained in program year 3

GENERAL/PROGRAM MANAGEMENT

In addition to the above work plan activities, ANSI will conduct the following tasks to support administration of the SA2 in Year 3:

1) Website development – ANSI has finalized the development plan and begun rollout of a specific SA2 website that will include information on projects, relevant SA2 resources,

points of contact, and more. ANSI will work with USAID to ensure all Branding and Marking requirements are upheld in the revised website. The website is expected to be fully finalized and launched within Year 3.

2) Maintenance of strategic partnerships - According to the strategic objectives set for the SA2, the SA2 will continue to explore collaboration opportunities with entities that provide technical assistance on NQI related matters, and if appropriate, will develop strategic partnerships. This work will allow the SA2 to maximize the impact of its technical assistance by leveraging other organizations' resources. It will also ensure that the technical assistance approach of other organizations is balanced in terms of the value that they give to a system built around voluntary consensus standards, and the adoption of a multiple path approach. USAID/CEMD's support to connect and follow-up with these organizations will be particularly helpful as such organizations may not have channels for engaging private sector actors or initiatives like the Standards Alliance. In particular, these opportunities may include:

   – African Union: Partnerships to implement the TBT Chapter of the African Continental Free Trade Agreement
   – Asia-Pacific Economic Cooperation (APEC): Collaboration with the Industry Dialogues (e.g., Automotive Dialogue, Chemical Dialogue, Life Sciences Innovation Forum)
   – Association of Southeast Asian Nations (ASEAN): Collaboration with the consultative Committee on Standards and Quality (ACCSQ)
   – Corporate Council of Africa: Partnership to organize the African Quality Infrastructure Roundtable

3) Coordination with USAID Bureaus and Missions – to implement projects in partner countries, ANSI and private sector partners reach out to relevant USAID Missions to present on the project, brief them on opportunities, and request concurrence, if needed. In Year 2, ANSI reached out to various Missions in all SA2 regions and navigated the patchwork of disparate Mission requirements. While the SA2 public-private partnership does not explicitly require Mission concurrence, ANSI values Mission involvement and support and will continue to conduct outreach with them before starting implementation as a best practice to align and streamline project goals with USAID's broader work.

2.3 LIST OF ACTIVITIES FOR YEAR 3 (JULY 12, 2021 – JULY 11, 2022) – COVID-19 RELATED

Development Objective #4: Countries have COVID-19 plans that leverage their NQI in a trade-facilitating manner

AFRICA

Activity #11 - COVID-19: Surgical Mask Production Project
Private sector partner: Ethical Apparel Africa (EAA) with support from Maagrace Garment

Institute Limited
- In August 2020, ANSI and EAA finalized a subaward agreement for EAA to carry out the referenced activity as a private sector partner under the SA2.

Partner countries for Year 3: Ghana

Description: The primary scope of this activity is to support the government of Ghana's efforts to establish production for personal protective equipment (PPE), primarily, surgical grade PPE. This project aims to inform government officials and local producers on relevant international processes and procedures to meet US market requirements for PPE. Additionally, it will support the use of international standards for the production of high quality PPE to position local producers to transition manufacturing to meet the Ghanaian and broader West African need for high quality PPE.

Ethical Apparel Africa (EAA), in coordination with Maagrace Garment Industries Limited, have established a plan to produce surgical grade Level 2 masks and then other PPE, such as disposable gowns. This project will add technical expertise needed to ensure government agencies and local production processes and PPE is fully accredited, tested and certified to ASTM standards and for sale domestically and internationally.

In addition, this project aims to support government understanding of international best practices for the production of PPE to establish Ghana as a hub for PPE production by working with government agencies such as the Ghana FDA and the Ghana Standards Authority to institutionalize international best practice for PPE production.

This project had been substantially delayed due to equipment shipping issues into West Africa. Following the alleviation of shipping constraints, activities have once again started up as planned during year 2. A list of project activities and general timelines is included below.
- Activity #11.5 – Specialist training programs for Ghana Ministry of Health, Ghana Ministry of Trade and Industry, Ghana FDA and GSA on quality requirements and procuring PPE (August 2021)
- Activity #11.6 – Train the sales & operating team at EAA and Maagrace to follow SOP's and ensure continued standard adherence (September 2021)
- Activity #11.7 – Ghana FDA standards & packaging requirements established and trained (September – October 2021)
- Activity #11.8 – Establish relationships and sales pipeline for product across ECOWAS and USA (October 2021)
- Activity #11.9 – Procure a mask making machine and sample correct fabrics and trims to achieve mask and gown testing standards (August – September 2021 – Machinery was installed during SA2 Year 2)

Expected results:
The table below contains a list of expected outcomes with qualitative and quantitative targets.

Outcome/Output	Targets

Outcome: Training for Government Offices/Agencies in PPE standards	Ministry of Health, Ministry of Trade and Industry Ghana FDA and Ghana Standards Authority receive training for at least 20 people by 30th September
Outcome: Other factories in Ghana can visit, learn and replicate capability diversification to their own businesses	At least 2 walk through sessions in conjunction with Maagrace and EAA for other factories by end November 2020
Outcome: Product certification / accreditation / testing standards achieved to ASTM Level 2	Identification of testing and labelling standards Submit samples to accredited lab with associated paperwork on time
Outcome: Clean room environment successfully installed and launched to ISO7 standards	Any external process accreditation needed is identified and achieved alongside the ISO7 standard
Output: Documented training and SOP's showing knowledge and skill development of the local factory team to be able to sustainably manage this production unit into the future	Maagrace and EAA receive training for at least 50 people by 30th October

GLOBAL

Activity #12 - COVID-19 Medical Device Regulatory Convergence Project
Private sector partner: Advanced Medical Technology Association (AdvaMed)

Description: The COVID-19 Medical Device Regulatory Convergence Project (MDRC), implemented by AdvaMed, was launched to support the implementation of internationally harmonized standards and good regulatory practices GRP in the medical technology sector. MDRC provides resources and expertise in support of international, regional, sub-regional and national governmental initiatives in Latin America, Africa, and Southeast Asia to implement medical device sector-specific regulatory convergence. The timely nature of this project contributes to its unique capacity to support ongoing efforts to combat and support recovery from COVID-19.

Partner countries for Year 3: Brazil, Colombia, Mexico, Peru, Kenya, South Africa, Ghana, Viet Nam, and Indonesia. These countries were chosen in part due to their importance within their respective regions and sub-regions, with the aim of facilitating additional project benefits in surrounding regions.

Challenges: While COVID-19 has made in-person capacity building impossible to date, the project is actively addressing this challenge through the execution of high-quality virtual engagements. These engagements continue to improve both in their ability to disseminate quality resources and convene relevant stakeholders from the public and private sectors. MDRC will continue to assess the project's ability to host in-person events through the next project year.

Delays during Year 2 in securing local USAID Mission concurrence across project countries have prevented MDRC from engaging with project countries to advance project outputs. Some project activities initially planned for completion in project year 2020-2021 remain underway and near completion. Those project activities are detailed below. MDRC continues to coordinate with all available stakeholders throughout this process.

GLOBAL

Activities:
- Activity #12.1 – The Inter-American Coalition for Regulatory Convergence for the Medical Technology Sector (the Coalition) will lead in implementing and managing a dedicated COVID-19 Medical Device work stream at the global level on behalf of the Global Medical Technology Alliance (GMTA) and Global Diagnostics Alliance (GDA) working in conjunction with the IMDRF. (Q3 2021 – Q2 2022)
- Activity #12.2 – The Coalition will promote, ensure, measure, and report the engagement of women throughout the implementation of the project in all geographies. (Q3 2021 – Q2 2022)

Expected Results:
- The Coalition continues advancing MDRC objectives in its leadership virtually establishing and leading the implementation of the International Center for Emergency Regulatory Response (ICERR) in the form of a dedicated COVID-19 Medical Device workstream of the GMTA/GDA. This workstream was approved in principle in 2020-2021. MDRC expects formal approval in 2021.
- The Coalition generates an Annual Status Report on the Engagement of Women.

AFRICA

Partner countries: Ghana, Kenya and South Africa

Activities:
- Activity #12.3 – Tier One GRP Implementation (foundational): Gap Analysis and Stakeholder Assessment (Q3 2021 – 2022)
- Activity #12.4 – Tier Two: Medical Device Sector-Specific Regulatory, Standards and Conformity Assessment Convergence: Stakeholder Assessment (Q3 2021)
- Activity #12.5 – Tier One and Two Local Meetings/Trainings (Timing is subject to the issuance of concurrence by the USAID Mission to Kenya. Preliminary dates are included below and are subject to change.)
- Activity #12.6 – Tier One and Two Regional Meetings/Trainings (Timing is subject to the issuance of concurrence by the USAID Mission to Kenya. Preliminary dates are included below and are subject to change.)

Expected results:
- Publication of a unified Tier One report that includes the analyses and literature reviews from all project countries. This report includes assessments of GRP implementation by

country as well as an overarching chart to allow for comparison across project countries. This report will serve as a resource for closing key gaps and communicating MDRC objectives to both private and public stakeholders at local and regional levels. As more input and feedback from governments and relevant stakeholders are received, it will be updated in late 2021 or 2022.

- Publication of maps of stakeholders in the Project Countries responsible for and involved in the implementation (1) the implementation of GRP, or (2) the implementation of medical device regulations, standards, and requirements, including medical device regulatory authorities and other governmental and non-governmental entities, both national and regional.
- In partnership with local and regional medical device industry partners, host Tier One and Two meetings/trainings at the local and regional levels. The ability of MDRC to host these events and their timelines are dependent on the formal concurrence of the USAID Mission to Kenya, which remains under review by the Mission. These events include:
- Tier One Regional Forum, Kenya (Virtual)
- Tier One/Two local meeting/training, Kenya (Virtual)
- Tier One/Two local meeting/training, Ghana (Virtual)
- Tier Two Regional Forum, South Africa (In-Person or Virtual)
- Tier One/Two local meeting/training, South Africa (In-Person or Virtual)
- Through the execution of these Tier One and Two meetings/trainings, MDRC aims to increase the number of:
  - o Key agencies and authorities participating in these consultations
  - o Project Countries agreeing to implement GRP
  - o Project Countries agreeing to implement WTO TBT consistent Standards and Conformity policies

INDO-PACIFIC

Partner countries: Vietnam and Indonesia

Activities:
- Activity #12.7 – Tier One GRP Implementation (foundational): Gap Analysis and Stakeholder Assessment (Q3 2021 – 2022)
- Activity #12.8 – Tier Two: Medical Device Sector-Specific Regulatory, Standards and Conformity Assessment Convergence: Stakeholder Assessment (Q3 2021)
- Activity #12.9 – Tier Two Local Meetings/Trainings (Preliminary dates included below.)
- Activity #12.10 – Tier Two Regional Meetings/Trainings (Preliminary dates included below.)

Expected results:
- Publication of a unified Tier One report that includes the analyses and literature reviews from all project countries. This report includes assessments of GRP implementation by country as well as an overarching chart to allow for comparison across project countries. This report will serve as a resource for closing key gaps and communicating MDRC objectives to both private and public stakeholders at local and regional levels. As more

input and feedback from governments and relevant stakeholders are received, it will be updated in late 2021 or early 2022.
- Publication of maps of stakeholders in the Project Countries responsible for and involved in (1) the implementation of GRP, or (2) the implementation of medical device regulations, standards, and requirements, including medical device regulatory authorities and other governmental and non-governmental entities, both national and regional.
- Host Tier One and Two meetings/trainings at the local and regional levels. This includes:
  - COVID-19 Medical Device regulatory review conference on the sidelines of the IMDRF (Virtual)
  - Tier Two Regional Meeting/Training, Vietnam (Virtual)
  - Tier Two Local Meeting/Training, Vietnam (Virtual)
- Through the execution of these Tier One and Two meetings/trainings, MDRC aims to increase the number of:
  - Key agencies and authorities participating in these consultations
  - Project Countries agreeing to implement GRP
  - Project Countries agreeing to implement WTO TBT consistent Standards and Conformity policies

LATIN AMERICA

Partner Countries: Brazil, Colombia, Mexico, Peru

Activities:
- Activity #12.11 – The Coalition will lead regional MDRC project efforts, convene stakeholders for meetings/trainings, and provide capacity-building resources. (Q3 2021 – Q2 2022)
- Activity #12.12 – Engagement with key partners, including the Inter-American Development Bank (IDB), World Trade Organization (WTO), and Pan American Health Organization (PAHO). (Q3 2021 – Q2 2022)
- Activity #12.13 – Recognition of deliverables at the Summit of the Americas (Q1 or Q2 2022)
- Activity #12.14 – Hire a dedicated MDRC Liaison to facilitate and coordinate the implementation of MEL Plan objectives in Colombia (pending USAID approval). (TBD)
- Activity #12.15 – Updated Tier One and Two Gap Analysis Reports (Q3 2021 – 2022)
- Activity #12.16 – Tier One and Two Implementation Meetings and Workshops with Project Countries and regional stakeholders (Q3 2021 – Q2 2022)

Expected results:
- The Coalition's website advances MDRC objectives by serving as a centralized resource for parties, including regulatory and customs authorities, to validate non-proprietary information from industry related to foreign approvals, licenses, regulations, and applicable standards. It provides a compilation of available information from the FDA or other relevant USG agencies of the newest medical devices released by the industry to fight the COVID-19 pandemic.
- Engagement with IDB/ABD:

- o Increased alignment of the trade, GRP, and health work within the IDB
    - o Engagement with the Ibero-American Regulatory Improvement Network
- Engagement with WTO/TBT/GRP Geneva, Switzerland:
    - o Further engagement with relevant committees to increase understanding of TBTs for the medical device sector and the role of GRP has in addressing them.
- Key MDRC deliverables will be recognized at the upcoming Summit of the Americas.
- Fast-track MEL plan fulfillment through the engagement of a dedicated MDRC Liaison to Colombia. The Liaison will coordinate and work with relevant Colombian government stakeholders to implement regulatory convergence and GRPs, even in a virtual setting. The creation of the Liaison position is dependent on USAID's approval.
- Publication of a unified Tier One report that includes the analyses and literature reviews from all project countries. This report includes assessments of GRP implementation by country as well as an overarching chart to allow for comparison across project countries. This report will serve as a resource for closing key gaps and communicating MDRC objectives to both private and public stakeholders at local and regional levels. As more input and feedback from governments and relevant stakeholders are received, it will be updated in late 2021 or 2022.
- Execution of Tier One and Two meetings/trainings with regional and local stakeholders. MDRC aims to increase the number of:
    - o Key agencies and authorities participating in these consultations
    - o Project Countries agreeing to implement GRP
    - o Project Countries agreeing to implement WTO TBT consistent Standards and Conformity policies
    - o Project Countries agreeing to implement emergency use authorizations based on international benchmarks

Table 1: Year 3 Activity Summary

GLOBAL			
DEVELOPMENT OBJECTIVE	**ACTIVITIES**	**EXPECTED RESULTS**	**STATUS**
Countries have COVID-19 plans that leverage their NQI in a trade-facilitating manner	12.1 The Inter-American Coalition for Regulatory Convergence for the Medical Technology Sector (the Coalition) will lead in implementing and managing a dedicated COVID-19 Medical Device work stream at the global level on behalf of the Global Medical Technology Alliance (GMTA) and Global Diagnostics Alliance (GDA) working in conjunction with the IMDRF 12.2 The Coalition will promote, ensure, measure, and report the engagement of women throughout the implementation of the project in all geographies	1. The Coalition continues advancing MDRC objectives in its leadership virtually establishing and leading the implementation of the International Center for Emergency Regulatory Response (ICERR) in the form of a dedicated COVID-19 Medical Device work stream of the GMTA/GDA. 2. The Coalition generates an Annual Status Report on the Engagement of Women.	In implementation.

AFRICA			
DEVELOPMENT OBJECTIVE	**ACTIVITIES**	**EXPECTED RESULTS**	**STATUS**
Countries have developed their national quality infrastructure	1.1 Conduct a regional workshop in coordination with ECOWAS and ECREEE to train regional experts and build momentum for standards adoption	1. Adoption of international ethanol standard for household energy use 2. Adoption/Adaption of a regional standard for renewable transportation fuels	Awaiting further guidance on timelines for implementation from ECOWAS, likely start date in Q4 2021.
	2.1 Meet with ARSO staff and membership at annual General Assembly to determine areas for collaboration	1. Enhance African continental understanding of specific international standards and the standards development process	Pending outcomes of ARSO General Assembly in November 2020.

3.1 Conduct deskwork to gather information about relevant laws, regulations, policies and standards in target countries from online sources and CWSC's network of contacts	1. Development of 3 comprehensive, country-level reports (one for each country), based on deskwork and interviews, which evaluates the national-level laws, regulations and policies governing the development, adoption and use of WASH related standards	Subaward finalized, work began Q2 2021.
3.2 Conduct in-person or virtual interviews with Ministries, regulators, National Standards Bodies, utilities, private sector partners and civil society organizations	2. Development of recommendations for in-country partners for addressing shortcomings discovered in country-level reports in each country	
3.3 Incorporate findings from deskwork and interviews into comprehensive country-level reports	3. Two virtual sessions per country with critical stakeholder to discuss results and recommendations based on the comprehensive country level diagnostic report	
	4. Development and dissemination of one trend report examining trends on how the law creates a commitment to increasing access to drinking water and sanitation, how the law supports the adoption and application of WASH standards, and how the law creates an enabling environment for NQI and reduces barriers to trade in international WASH products	
	5. Greater transparency of the laws governing the adoption and use of WASH standards	
	6. Greater transparency of the institutions responsible for developing WASH standards or whose activities influence the development of the WASH standards	
8.1 – AWWA to conduct a needs assessment survey to identify specific utility management standards of greatest interest to water sector utilities in Zambia, Malawi, and Lesotho and recruit a cohort of gender-diverse training participants from 15+ utilities	1. Water sector utilities interested in learning about and adopting utility management standards are identified and recruited in Zambia, Malawi, and Lesotho	Subaward finalized, work began Q2 2021. Outreach to African Mission to occur Q3 2021.
	2. Content for workshops describing utility management standards aimed at target audiences in Zambia,	

	8.2 – Develop training materials and agenda by AWWA staff and subject matter experts (SMEs)	Malawi, and Lesotho is developed and tailored, based on findings from needs assessment survey	
	8.3 – Conduct training with participants from Zambia, Malawi, and Lesotho water utilities	3. Training workshop achieves attendance within 10% of expectations (at least 15 utilities participating in the training with at least 2 staff attending from each utility)	
		4. Copies of 14 AWWA Utility Management Standards are shared with each training participant	
Private sector actively participates in countries' national quality infrastructure	5.1 Conduct landscaping of ECOWAS nation usage of API and ASTM standards	1. Reactivate the ECOWAS Technical Committee for Petroleum Standards	Subaward finalized, work began Q2 2021.
	5.2 Collect data and generate report on West African petroleum standards and institutional infrastructure for testing and accreditation	2. Enhance West African understanding of international petroleum standards and procedures	
	5.3 Establish regular consulting meetings to raise public and private sector awareness and understanding of relevant international standards	3. Increase regional standards harmonization	
	6.1 Build awareness on ACI codes and promote the use of ACI's 318 Building Code requirements for Structural Concrete and Commentary.	1. Build relationships, provide identified partners countries with a functioning and enforceable set of codes and standards for structural concrete and encourage the establishment of ACI Chapters, ACI Student Chapters in target countries.	Subaward finalized in June 2021 and implementation will begin in late Q3 2021.
Countries have COVID-19 plans that leverage their NQI in a trade-facilitating manner	11.2 – Ensure international compliance standards are met in line with apparel production to ensure safe place to work	1. Ministry of Health, Ministry of Trade and Industry Ghana FDA and Ghana Standards Authority receive training for at least 20 people	Subaward finalized in August 2020 and implementation began in Q3 2020.
	11.3 – Establish personnel structure with clear career pathways for excelling workers	2. Local Private sector receive training for at least 50 people to understand and utilize international best practice	
	11.5 – Specialist training programs for Ghana Ministry of Health, Ghana Ministry of Trade and Industry, Ghana FDA and GSA on quality requirements and procuring PPE		

12.3 – Tier One GRP Implementation (foundational): Gap Analysis and Stakeholder Assessment 12.4 – Tier Two: Medical Device Sector-Specific Regulatory, Standards and Conformity Assessment Convergence: Stakeholder Assessment 12.5 – Tier One and Two Local Meetings/Trainings (Timing is subject to the issuance of concurrence by the USAID Mission to Kenya. 12.6 – Tier One and Two Regional Meetings/Trainings (Timing is subject to the issuance of concurrence by the USAID Mission to Kenya.	1. Publication of a unified Tier One report that includes the analyses and literature reviews from all project countries. 2. Publication of maps of stakeholders in the Project Countries responsible for and involved in the implementation (1) the implementation of GRP, or (2) the implementation of medical device regulations, standards, and requirements, including medical device regulatory authorities and other governmental and non-governmental entities, both national and regional. 3. Tier One and Two meetings/trainings conducted at the local and regional levels. These events include: 4. Tier One Regional Forum, Kenya (Virtual) 5. Tier One/Two local meeting/training, Kenya (Virtual) 6. Tier One/Two local meeting/training, Ghana (Virtual) 7. Tier Two Regional Forum, South Africa (In-Person or Virtual) 8. Tier One/Two local meeting/training, South Africa (In-Person or Virtual) 9. Increased: key agencies and authorities participating in these consultations, project Countries agreeing to implement GRP, and project Countries agreeing to implement WTO TBT commitments	In implementation.

INDO-PACIFIC			
DEVELOPMENT OBJECTIVE	ACTIVITIES	EXPECTED RESULTS	STATUS
Countries have developed their national quality infrastructure	7.1 – Initiate development of new Indonesian national standard related to water faucets, based on existing international standards. 7.2 Conduct review of National Building Code of the Philippines (NBCP), Philippine Green Building Code (PGBC) and current technical regulations related to water efficiency 7.3 – Develop a Standard Action Plan identifying international product standards that will establish baseline and "reach" efficiency standards for plumbing products in the Philippines technical regulations 7.4- Conduct review of the Philippines legal requirements for the import and conformity assessment of plumbing products	1. Work with the National Standardisation Agency of Indonesia (BSN) to prepare a draft Indonesian national standard (SNI) related to water faucets and convene a Technical Committee meeting (Indonesia) 2. Developed Standards Action Plan (Philippines) 3. Identified challenges in current conformity assessment scheme impacting water efficiency (e.g. testing waivers for importers, post-sampling adjustments) 4. Developed Conformity Assessment Action Plan (Philippines)	Subaward finalized, work began Q2 2021.
	8.1 – AWWA to conduct a needs assessment survey to identify specific utility management standards of greatest interest to water sector utilities in India and recruit a cohort of gender-diverse training participants from 15+ utilities 8.2 – Develop training materials and agenda by AWWA staff and subject matter experts (SMEs) 8.3 – Conduct training with participants from 15+ Indian water utilities in Mumbai and Hyderabad	1. Water sector utilities interested in learning about and adopting utility management standards are identified and recruited in India 2. Content for workshops describing utility management standards aimed at target audiences in India is developed and tailored, based on findings from needs assessment survey 3. Training workshop achieves attendance within 10% of expectations (at least 15 utilities participating in the training with at least 2 staff attending from each utility) 4. Copies of 14 AWWA Utility Management Standards are shared with each training participant	Subaward finalized, work began Q2 2021.

	12.7 – Tier One GRP Implementation (foundational): Gap Analysis and Stakeholder Assessment	1. Publication of a unified Tier One report that includes the analyses and literature reviews from all project countries.	In implementation
Countries have COVID-19 plans that leverage their NQI in a trade-facilitating manner	12.8 – Tier Two: Medical Device Sector-Specific Regulatory, Standards and Conformity Assessment Convergence: Stakeholder Assessment	2. Publication of maps of stakeholders in the Project Countries responsible for and involved in the implementation of (1) GRP, or (2) medical device regulations, standards, and requirements.	
	12.9 – Tier Two Local Meetings/Trainings	3. Host Tier One and Two meetings/trainings at the local and regional levels. This includes:	
	12.10 – Tier Two Regional Meetings/Trainings	○ COVID-19 Medical Device regulatory review conference on the sidelines of the IMDRF (Virtual)	
		○ Tier Two Regional Meeting/Training, Vietnam (Virtual)	
		○ Tier Two Local Meeting/Training, Vietnam (Virtual)	
		4. Increased: key agencies and authorities participating in these consultations, project Countries agreeing to implement GRP, and project Countries agreeing to implement WTO TBT commitments	

LATIN AMERICA			
DEVELOPMENT OBJECTIVE	ACTIVITIES	EXPECTED RESULTS	STATUS
Countries have developed their national quality infrastructure	9.1 – Conduct a needs assessment to determine the guidelines and processes drinking water providers in Peru are currently using	1. Developed action plan formed by findings of the needs assessment, with input from key stakeholders, which includes areas for improvement, how to handle existing gaps, and ways forward in year 3	Subaward approved, work begun Q1 2021
	9.2 – Conduct regulatory and governmental outreach and relationship building and strengthening		

	to facilitate discussions on the benefits of NSF/ANSI/CAN drinking water standards 9.3 – Convene stakeholders to increase awareness of the value of the program, including addressing barriers to trade	2. Established working relationships with regulatory and government WASH stakeholders in Brazil, who have been sensitized to the value and importance of NSF's drinking water standards 3. Formation of a baseline list of Brazilian regulators, operators and manufacturers to be trained in program year 3	
Countries have COVID-19 plans that leverage their NQI in a trade-facilitating manner	12.3 – The Coalition will lead regional MDRC project efforts, convene stakeholders for meetings/trainings, and provide capacity-building resources. (Q3 2021 – Q2 2022) 12.4 – Engagement with key partners, including the Inter-American Development Bank (IDB), World Trade Organization (WTO), and Pan American Health Organization (PAHO). 12.5 – Recognition of deliverables at the Summit of the Americas 12.6 – Hire a dedicated MDRC Liaison to facilitate and coordinate the implementation of MEL Plan objectives in Colombia (pending USAID approval). 12.7 – Updated Tier One and Two Gap Analysis Reports 12.8 – Tier One and Two Implementation Meetings and Workshops with Project Countries and regional stakeholders	1. Engagement with IDB/ABD: 2. Increased alignment of the trade, GRP, and health work within the IDB 3. Engagement with the Ibero-American Regulatory Improvement Network 4. Engagement with WTO/TBT/GRP Geneva, Switzerland: 5. Further engagement with relevant committees to increase understanding of TBTs for the medical device sector and the role of GRP has in addressing them. 7. Fast-track MEL plan fulfillment through the engagement of a dedicated MDRC Liaison to Colombia. 8. Publication of a unified Tier One report that includes the analyses and literature reviews from all project countries. 9. Execution of Tier One and Two meetings/trainings with regional and local stakeholders. 10. Increased: key agencies and authorities participating in these consultations, project Countries agreeing to implement GRP, project Countries agreeing to implement WTO TBT commitments	In implementation

MIDDLE EAST NORTH AFRICA			
DEVELOPMENT OBJECTIVE	ACTIVITIES	EXPECTED RESULTS	STATUS
Countries have developed their national quality infrastructure	7.5 – Conduct a review of Jordanian National Plumbing Code and current technical regulations related to water efficiency 7.6 – Develop a Standards Action Plan identifying product standards that will establish baseline and "reach" efficiency standards for plumbing products in Jordan's technical regulations 7.7 – Conduct review of Jordan's legal requirements for the import and conformity assessment of plumbing products	1. Developed Standards Action Plan 2. Identified challenges in current conformity assessment scheme impacting water efficiency (e.g. testing waivers for importers, post-sampling adjustments) 3. Developed Conformity Assessment Action Plan	Subaward finalized, work began Q2 2021.
	9.1 – Conduct a needs assessment to determine the guidelines and processes drinking water providers in Peru are currently using 9.2 – Conduct regulatory and governmental outreach and relationship building and strengthening to facilitate discussions on the benefits of NSF/ANSI/CAN drinking water standards 9.3 – Convene stakeholders to increase awareness of the value of the program, including addressing barriers to trade	1. Developed action plan formed by findings of the needs assessment, with input from key stakeholders, which includes areas for improvement, how to handle existing gaps, and ways forward in year 3 2. Established working relationships with regulatory and government WASH stakeholders in Morocco, who have been sensitized to the value and importance of NSF's drinking water standards 3. Formation of a baseline list of Moroccan regulators, operators and manufacturers to be trained in program year 3	Subaward approved, work began Q1 202. Awaiting concurrence from Morocco Mission.

2.4 SCHEDULE

The preliminary SA2 schedule of activities for Year 3 is included below. This table will be updated as needed during implementation

Activity	July 2021	Aug 2021	Sept 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	June 2022
Non-COVID-19												
Africa												
Activity 1.1 – Garner Advisors				x	x	x	x	x	x	x	x	x
Activity 2.1 – ARSO *TBD*												
Activity 3.1 – CWSC					x	x	x	x	x	x	x	x
Activity 3.2 – CWSC							x	x	x	x	x	x
Activity 3.3 – CWSC										x	x	x
Activity 5.1 – ASTM/API			x	x	x	x	x	x	x	x	x	x
Activity 5.2 – ASTM/API			x	x	x	x	x	x	x	x	x	x
Activity 5.3 – ASTM/API				x	x	x	x	x	x	x	x	x
Activity 6.1 – ACI			x	x	x	x	x	x	x	x	x	x
Indo-Pacific												
Activity 7.1 – IAPMO							x	x	x	x	x	x
Activity 7.2 – IAPMO			x	x	x	x	x	x				
Activity 7.3 – IAPMO			x	x	x	x	x	x				
Activity 7.4 – IAPMO			x	x	x	x	x	x				
Activity 8.1 – AWWA				x	x	x	x	x				
Activity 8.2 – AWWA				x	x	x	x	x				
Activity 8.3 – AWWA									x	x	x	x
Latin America												
Activity 9.1 – NSF					x	x	x	x	x	x	x	x
Activity 9.2 – NSF					x	x	x	x	x	x	x	x
Activity 9.3 – NSF					x	x	x	x	x	x	x	x
Middle East North Africa												
Activity 7.5 – IAPMO			x	x	x	x	x	x				
Activity 7.6 – IAPMO			x	x	x	x	x	x				

Activity	July 2021	Aug 2021	Sept 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	June 2022
Activity 7.7 – IAPMO			x	x	x	x	x	x				
COVID-19												
Global												
Activity 12.1 – AdvaMed	x	x	x	x	x	x	x	x	x	x	x	x
Activity 12.2 – AdvaMed	x	x	x	x	x	x	x	x	x	x	x	x
Africa												
Activity 11.1 – EAA			x									
Activity 11.2 – EAA			x									
Activity 11.3 – EAA			x									
Activity 11.4 – EAA		x	x	x	x							
Activity 11.5 – EAA			x									
Activity 11.6 – EAA				x								
Activity 11.7 – EAA			x	x								
Activity 11.8 – EAA				x								
Activity 11.9 – EAA		x	x									
Activity12.3 – AdvaMed	x	x	x	x	x	x	x	x	x			
Activity12.4 – AdvaMed	x	x	x									
Activity12.5 – AdvaMed *TBD*												
Activity12.6 – AdvaMed *TBD*												
Indo-Pacific												
Activity12.7 – AdvaMed	x	x	x	x	x	x	x	x	x			
Activity12.8 – AdvaMed	x	x	x									
Activity12.9 – AdvaMed *TBD*												
Activity12.10 – AdvaMed *TBD*												
Latin America												
Activity 12.11 – AdvaMed	x	x	x	x	x	x	x	x	x	x	x	x
Activity 12.12 – AdvaMed	x	x	x	x	x	x	x	x	x	x	x	x
Activity 12.13 – AdvaMed							x	x	x	x	x	x

Activity	July 2021	Aug 2021	Sept 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	June 2022
Activity 12.14 – AdvaMed *TBD*												
Activity 12.15 – AdvaMed	x	x	x	x	x	x	x	x	x	x	x	x
Activity 12.16 – AdvaMed	x	x	x	x	x	x	x	x	x	x	x	x

3. PROJECT MANAGEMENT APPROACH

3.1 ROLES AND RESPONSIBILITIES

The key roles for the SA2 project management team are that of Program Director, Program Manager, Program Administrator, and Private Sector Partner. These roles and their responsibilities are further defined below in Table 2 and Figure 1.

Table 2: Roles and responsibilities

ROLES AND RESPONSIBILITIES	
PROGRAM ROLE	OVERALL RESPONSIBILITIES
Program Director	Oversee the program to ensure the execution receives executive support and to align contract requirements. Manage recruitment of partners to ensure appropriate U.S. policies and positions are reflected in program activities and deliverables. Approve deliverables under the Branding & Marking Plan
Program Manager	Act as regional experts to undertake day-to-day execution of program work by using regional expertise, knowledge of international development, trade policies, standards and conformity assessment schemes. Includes monitoring of policy development, development of program deliverables, conducting of program activities and managing the project management resources as appropriately working with Program Administrators. Liaise with private sector partners as appropriate by region.
Program Administrator	Execute and carry out activities in line with contract requirements such as quality assurance, logistics organization and document management, facilitation of program review and feedback, reporting, and ongoing program support. Support for MEL plan and Branding Strategy/Marking plan implementation.
Private Sector Partner	Contribute staff time and expertise as available to participate in training or other activities in-country, presenting real-world examples and case studies to support training concepts. Some private sector partners will lead longer term initiatives supporting in-country engagement on a sustained basis and addressing an in- depth organizational or industry priority.

3.2 MANAGEMENT APPROACH

ANSI will implement a comprehensive and flexible resource management approach to plan, execute and manage the program. Any program roles and responsibilities that are expected of program team members and sub-grantees, such as team member assignments, reporting requirements, or meeting attendance, will be clearly assigned. ANSI proposes the following logical structure to outline the overall program implementation with any potential sub-grantees. (*Legend: ANSI-Implementing Partner; Sub-Sub-recipient*)

Activities	Develop Project Management Plan and cooperation agreements (ANSI)	Develop Monitoring, Evaluation, Learning (MEL) Plan (ANSI)	Organize and conduct program workshops in target countries (ANSI, Sub)	Promotion, advocacy, training and improvement activities (ANSI, Sub)	Performance review, reporting, monitoring and controlling (ANSI, Sub)
Outputs	Project Management Plan; Agreements/MOUs	MEL Plan; Framework and Strategies	Program workshops; Logistics and operational support Communications	Promotional material; Training sessions; Lessons Learned	Quarterly Report; After Action Report; Risk Register and Change Log

This logical structure will also serve a basis for the construction of a Work Breakdown Structure (WBS) for ANSI to ensure that program works are assigned with an accountable owner, through which program work and required resources will be accurately and realistically estimated and determined.

3.3 RISKS

Phase 1 of the Standards Alliance exposed ANSI to the global complexities surrounding the delivery of technical assistance related to NQI. Some of these risks remain present today and can negatively affect the impact and sustainability of SA2 cooperation. Among them are the concerted efforts by other developed and non-developed economies to increase their influence over developing countries' NQI related policies, including their views on the implementation of the WTO TBT Agreement; domestic idiosyncrasies related to the structure of NQI systems and the development and adoption of standards; the significant resources that other economies are directing to NQI technical assistance that can dilute the value of SA2 contributions; existing NQI systems or policies that were implemented as a result of that technical assistance from other economies; and, the lack of appreciation by recipient countries of the value of having the U.S. private sector engaging in NQI technical assistance.

In addition, the COVID-19 pandemic presented new risks associated with the SA2 holding events and traveling to partner countries. While actively monitoring CDC, WHO and USAID guidance in response to the pandemic, the SA2 will also explore alternative formats for Year 3 activities, including remote and virtual meetings, utilizing local experts, and increased desk research.

The proposed activities in this work plan for Year 3 have been conceived keeping these risks in mind and with the purpose of mitigating them. In addition, the SA2 will carry out yearly strategic planning sessions to further inform its field work and strategic framework. USG agencies, as well as private sector partners, will be invited to attend those meetings.

4. PERFORMANCE INDICATORS

The following table shows information for the indicators that are applicable to Year 3 activities. For a full description of SA2 performance indicators and the Results Framework, please consult the SA2 Monitoring, Evaluation, and Learning Plan (latest version dated: August 8, 2020). Specific targets will be augmented with input from sub-awardees, and results will be reported through Monitoring and Evaluation reports.

	Indicator	Frequency
1.	*Number of trainings conducted about the value of using their national quality infrastructure.*	*Quarterly*
2.	*Number of new international standards activities in which country participates.*	*Annual*
3.	*Number of international standards adopted or referenced by partner country.*	*Annual*
4.	*Countries have an enabling environment for a national quality infrastructure.*	*Annual*
5.	*Number of private sector participants in regulatory development project activities.*	*Annual*
6.	*Number of participants in national technical committees.*	*Annual*
7.	*Number of U.S. industry WTO TBT concerns with partner countries eliminated.*	*Annual*
8.	*Number of workshop/reserve trade mission participants*	*Quarterly*
9.	*Number of countries with transparent national quality infrastructure practices*	*Annual*
10.	*Number of measures implemented to promote gender equality*	*Annual*
11.	*Number of host-country COVID-19 preparedness and/or response plans in various phases (formally proposed, adopted, or implemented) supported with USG assistance.*	*Annual*
12.	*Number of trade facilitating procedures implemented during CV-19 with USG assistance.*	*Annual*
13.	*Number of laws or regulations proposed, adopted, or implemented to facilitate trade during CV-19 with USG assistance.*	*Annual*

5. ESTIMATED BUDGET

Year 3 Federal Share (non-COVID-19)	$650,000
Year 3 Non-Federal Share (non-COVID-19)	$700,000
Year 3 Federal Share (COVID-19)	$700,000
Year 3 Non-Federal Share (COVID-19)	$700,000
Total Authorized Federal Funds	$5,500,000
Total Federal Funds Remaining at end of Year 2	(estimate) $3,360,000
Estimated Remaining Balance Federal (end of Year 3)	$2,010,000
Estimated Remaining Balance Non-Federal (end of Year 3)	$ 2,541,360