

Quality infrastructure helping to prevent a digital and green divide

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Overview

- ANSI Introduction
- Technical assistance activities supporting a national quality infrastructure to help prevent a green and digital divide
- Increasing capacity in Senegal for solar energy standards
- Future priorities

ANSI Quick Facts



501 (c) (3)
non-profit

Founded
in 1918

130+ staff

ANSI
Affiliates



70+ staff

What Does ANSI Do?

Coordinates and ensures the integrity of the standards and conformity assessment system

Serves as a bridge between public and private sectors

Provides a neutral forum for coordination

Accredits standards developing organizations and approves American National Standards

Serves as a clearinghouse for information on standards, conformity assessment, and related activities in the U.S. and abroad



Represents the U.S. globally

Serves as the official U.S. representative in regional and international non-treaty standardization forums

Facilitates access to these forums and programs by U.S. experts, organizations, and industry

Coordinates standards capacity-building programs in developing countries

Promotes U.S. interests



Technical Assistance

ANSI's international development and technical assistance work helps nations throughout the Americas, Africa, and Asia build their national quality infrastructure.



Private sector led initiatives, particularly in sectors such as medical devices, water and sanitation, energy, digital infrastructure and others

BILL & MELINDA
GATES *foundation*

Addressing critical sanitation needs through the development and promotion of international non-sewered sanitation standards (NSSS)

Former projects:

U.S.-Africa Information & Communications
Technology Program

U.S.-Africa Clean Energy Standards
Program

U.S.-Indo-Pacific Standards and
Technology Cooperation Program

Standards Alliance: Phase 2

- Leading Organizations:
 - USAID
 - American National Standards Institute (ANSI)

- Funding Structure:

	USAID	ANSI/private sector
2019 – 2026	\$9.15 million	\$8.65 million

Objectives

- Build off Phase I to support capacity of partner countries in the areas of:
 - legal and regulatory framework
 - standards development
 - conformity assessment procedures
 - private sector engagement
- Support development of national quality infrastructures aligned with international best practices
- Engage partner countries in the intersection of standards and economic development using economic development project-like approaches

Partner Countries/Regions

- Regions of focus for this activity include Latin America, sub-Saharan Africa, Indo-Pacific
- Programming at national or regional level, as appropriate
- Focus countries:

Brazil

Indonesia

Ghana

Colombia

Kenya

Mexico

South Africa

Peru

Senegal

West Africa (regional)

Preventing a Green Divide: Transforming the Energy Sector in Senegal

The initiative trained solar photovoltaic (PV) technicians in accordance with relevant international standards.

By incorporating gender-specific trainings, the project facilitated more equitable labor force participation and advances opportunities for women in the energy sector.



The goal was to create a lasting training curriculum for local technicians and enhance local practices for solar mini-grid installation, maintenance, and efficiency.

Results

- Bolsters electricity access for the 60% of rural Senegalese communities that currently live without power.
- Courses inducted into Mechanical Engineering curriculum of Dakar American University of Science and Technology (DAUST).
- After 2 6-week courses, 7 instructors and 30 students trained.
- To support lasting and sustainable training in Senegal, Outback Power contributed a solar mini-grid system to DAUST for hands-on training.
- Average overall reported increase in confidence level of 31% compared with before and after the training.



Future priorities for technical assistance

- Digital infrastructure
- Climate strategies and goals
- Critical and emerging technologies
- Strengthening open and inclusive participation in international standards activities
- Removing technical barriers to trade and expanding market access to further economic development

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