

Key Findings from the Baseline Assessment on Existing Solar QI Frameworks and Management Systems in EAC and SPC

The increasing demand for reliable and efficient solar photovoltaic (PV) systems has highlighted the importance of robust Quality Infrastructure (QI) frameworks across the globe as an essential prerequisite for economic development and competitiveness. QI frameworks play a pivotal role in ensuring the quality, safety, and sustainability of solar products and services. Recognizing the critical role of QI in achieving sustainable development goals, and within the framework of the project, a baseline assessment was conducted to assess the existing regulations, standards, stakeholders, and capacities in the two target regions, the East African Community (EAC) and the Pacific Community (SPC). The findings of the baseline assessment will guide the development of regional solar QI frameworks for the EAC and SPC, which will serve as crucial roadmaps to enhance QI capacities, foster collaboration, and promote international best practices in solar energy management.

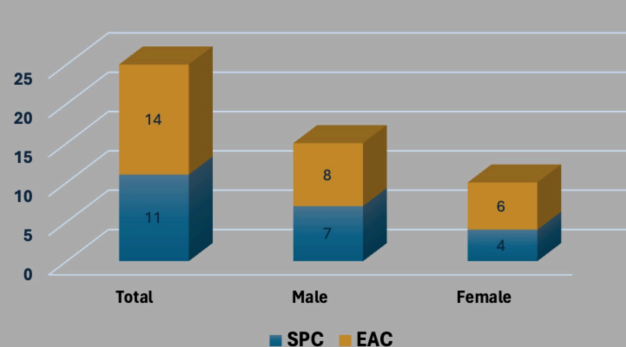
The key findings of the assessment differ across region. In the EAC region, the following were observed:

- Despite an understanding of the importance of a quality infrastructure and each country having a Bureau of Standards, challenges still exist in the adoption and enforcement of standards, which hinders harmonization across borders.
- Testing facilities in some countries, such as Uganda, have significant discrepancies in availability and capacity.
- The Accreditation processes differ significantly across countries within the region.
- There is a noticeable shortage of human resources dedicated to regional standardization efforts.
- One major challenge faced by the domestic solar energy sector is the lack of support from the government.

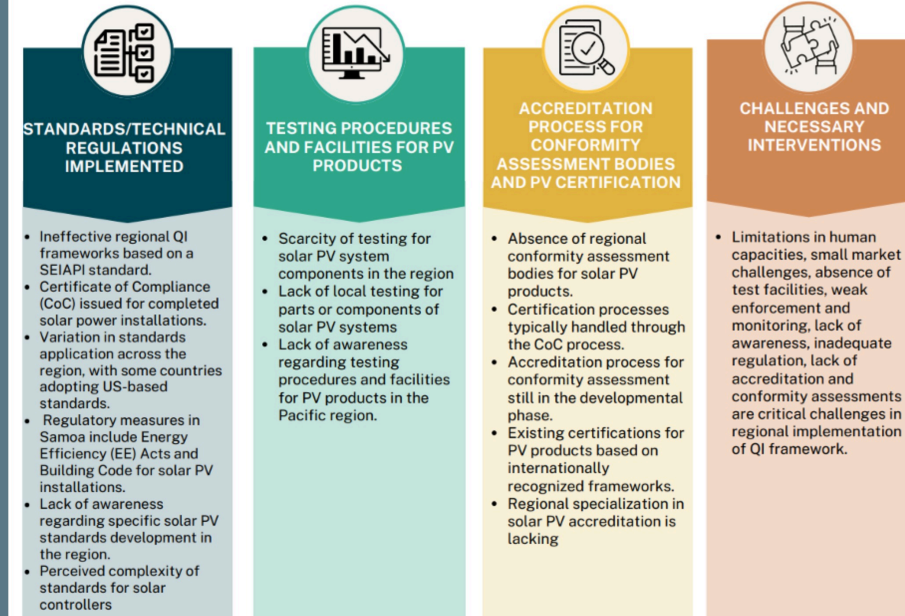
In the Pacific Community (SPC), the following observations were noted:

- There is a significant gap in established technical regulations governing the quality of solar PV products and services.
- Crucially, key bodies such as national standards, accreditation, and conformity assessment bodies are absent in many Pacific countries.
- The lack of robust metrology infrastructure in the Pacific region further creates additional obstacles in ensuring quality standards for solar products.
- The outdated legal metrology program raises concerns about measurement standards enforcement and product integrity.

Stakeholders consulted/interviewed in the EAC and SPC



Summary of the findings from the interviews conducted with key stakeholders in the SPC region



Summary of the findings from the interviews conducted with key stakeholders in the EAC region

