

3 Implementation

A full understanding of all components of a country's quality infrastructure (QI)—its core elements, its supporting policies and legal frameworks, and ultimately its importance to both the effective operation of domestic markets and access to foreign markets—equips policy makers to begin a process of country-specific QI assessments and reforms. The third part of this toolkit shows the way, comprising four modules:

- *Module 9: Diagnostic Tools.* The Rapid Diagnostic Tool provides high-level information on the capacity of a country's QI ecosystem. This information, along with a rapid demand assessment, helps policy makers identify both key gaps in their quality infrastructure through a market assessment and whether a QI development project would be beneficial to develop and implement. If so, then the Comprehensive Diagnostic Tool enables knowledgeable

experts to conduct a more detailed, resource-intensive assessment to ensure reforms are tailored to specific country conditions. Module 9 describes both tools, which are available for direct download from the websites of the World Bank (<http://www.worldbank.org/qi>) and the National Metrology Institute of Germany (PTB) (<https://www.ptb.de/qitoolkit>).

- *Module 10: How to Reform: Interventions and Approaches.* This module covers effective QI reforms in three major areas: (a) *policy and legislation*, including development of a national quality policy and a supportive institutional framework; (b) *the QI ecosystem*, including standardization for competitiveness, strengthening of core QI elements and conformity assessment services, and alignment of a country's technical regulation regime with international good practices; and (c) *the external environment*, including the influences of global value chains and foreign direct investment, as well as a strong QI ecosystem's impact on innovation, industrial development, and competitiveness.
- *Module 11: Challenges of QI Reform.* National QI ecosystem capacity building and reforms pose several project preparation and management challenges, especially because they entail long-term undertakings that require donor commitment beyond a single project. This module discusses good practices for such reforms and provides guidance on strategic approaches to QI ecosystem development, with a focus on institutions.
- *Module 12: Monitoring and Evaluation: Performance and Impact of the QI Reforms.* Projects must be monitored and evaluated regularly to ensure that they stay on track and achieve the envisaged outcomes. This final toolkit module explains the difference between monitoring and evaluation and discusses in detail the various monitoring and evaluation modalities. It also provides methodologies for using Theory of Change and logic models to plan, monitor, and evaluate QI ecosystem reform projects.