



**Agriculture Mechanization and Testing of
Agriculture Machinery in Pakistan
2nd Policy dialogue on Trade Facilitation
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***The international language
of commerce is standards
Conformity Assessment.***

***“One standard and one
Conformity assessment***

Acceptance all over the World”

Pakistan has generally made efforts to match national standards in line with international norms, and most Pakistani standards are not harmonized with International Standards Organization (ISO) standards.





SYSTEM CERTIFICATION CENTER (SCC)

Pakistan Standards & Quality Control Authority (PSQCA)

Ministry of Science & Technology

Government of Pakistan



Overview of System Certification Center

Pakistan Standards & Quality Control Authority is a National Standard body of Pakistan issues management system certification license under PSQCA Act 1996. ISO's committee on conformity assessment (CASCO) has published the management system standards. SCC's technical experts are actively participating in CASCO's standard development work. SCC's ISO certifications certify that a management system, manufacturing process, service, or documentation procedure has all the requirements for standardization and quality assurance.

Systems Under Certification

- ✓ PS/ISO 9001-Quality Management System (QMS)
- ✓ PS/ISO 14001-Environmental Management System (EMS)
- ✓ PS/ISO 22000-Food Safety Management System (FSMS)
- ✓ PS/ISO 45001-Occupational Health & Safety Management System (OHS)
- ✓ PS/ISO 22716-Good Manufacturing Practice for Cosmetic (GMP)



Member of International & Regional Standardization Bodies



Pakistan Standards & Quality Control Authority

Standards

- Standards Development (member of ISO, IEC, OIML, ASTM)
- 28000 standards (23000 adopted, 6000 PS)
- 175 TCs, 11 NSCs (ISO TC 23)
- WTO Inquiry Point
- Consumer Liaison Office

Conformity Assessment

- Testing (Quality Control Center , Technical Services Center)
- Certification (Product certification and System Certification)
- Inspection
- Registration of inspection bodies

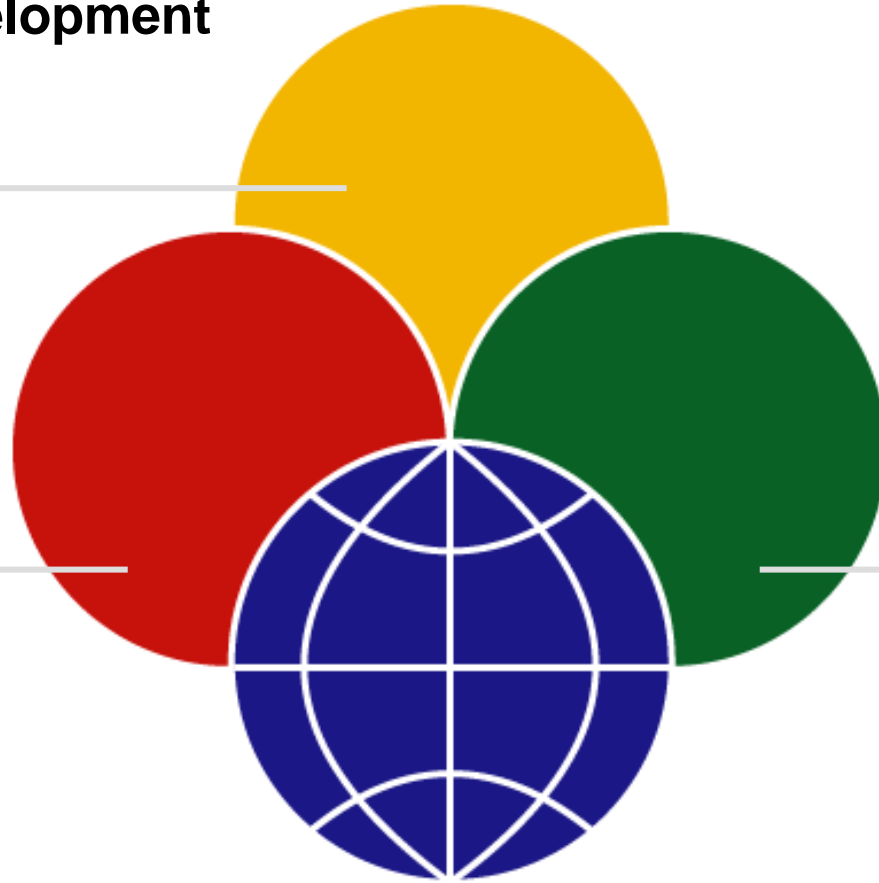
Conformity assessment (i.e., testing, calibration, inspection, system certification and product certification) is any activity related to the verification of conformance to a standard. Standardization refers to both standards development and conformity assessment activities.

PSQCA and Standardization: A Global Community

**Standards Development
and Conformity
Assessment**

**Commercial
and Consumer
Acceptance**

**Government
Acceptance**



PSQCA System/Product Certification Center and MRA on Agricultural Machinery standards

- This Management System Manual describes the policies, structure, procedures and methodologies for operating and maintaining effective Management Systems Certification activities in line with ISO/IEC 17021-1:2015
- Testing labs accredited against ISO 17025 , inspection 17020 and product certification 17065
- This Scheme describes the general principles and policies of the PSQCA' management systems certification activities and their supporting documented system. It provides the rules governing the certification activities to ensure that SCC operates these activities in a competent, consistent and impartial manner, thereby facilitating a wide recognition and acceptance of its certificates. The value of the certification is the degree of public confidence and trust by in an impartial, objective and competent assessment by a third party.
- Improves the ability of consumers, buyers, sellers, regulators and other interested parties to have confidence in the processes of providing Certification services.
- Promote and achieve global acceptance of products and services through system certification activities

Benefits to Companies

- Protection
 - The strong voice, influence and networks necessary to help ensure that standards are not written that will exclude your products, processes or technologies
- Knowledge
 - Early awareness of new requirements
 - Close customer and supplier contact
 - Early assessment of new market directions
- Positioning
 - Influence at the leading edges of technology

Benefits to Organizations

- Global relevance
- Self regulation
- Shared costs
- Reduced liability
- Reduced redundancy
- Market place acceptance of standards



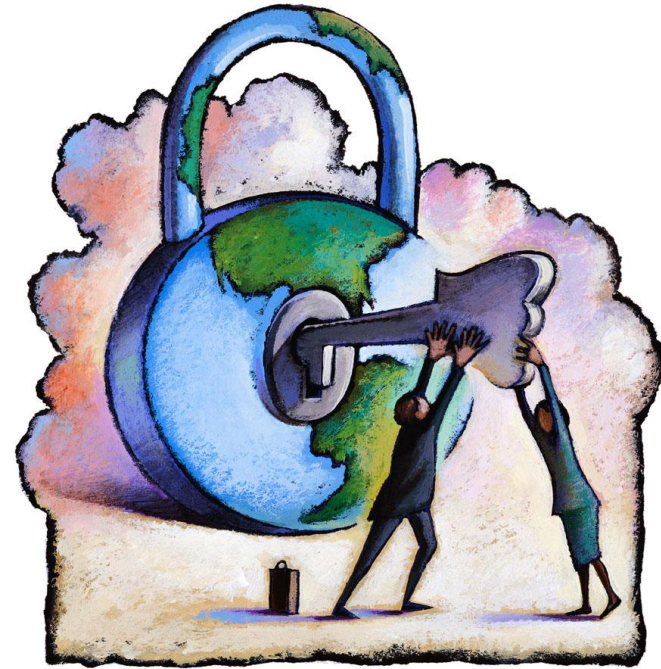
Benefits to Consumers

- Greater selection
- Easier choices
- Better and consistent quality
- Lower costs
- Enhanced safety & health



Benefits to Government

- Lower costs for procurement and regulatory agencies
- Increased Pakistan competitiveness, employment and economic growth
- Private sector cooperation
- World Trade Organization (WTO) compliance
- Legislative compliance



Integrated management systems will be established to implement harmonized agricultural standards

The main reasons for implementing integrated management systems are to:

- Reduce risks and increase profitability, thus improve competitiveness
- Harmonize and optimize practices
- Eliminate conflicting responsibilities and relationships
- Balance conflicting objectives
- Formalize informal systems
- Reduce duplication and therefore costs
- Ensure the sustainable success of the organization
- Focus on business goals
- Ensure consistency
- Improve communication

Requirements	ISO 45001:2018	ISO 14001:2015	ISO 9001:2015	ISO 22301:2012	ISO 27001:2013
Leadership and commitment	5.1	5.1	5.1	5.2	5.1
Policy of the management system	5.2	5.2	5.2	5.3	5.2
Objectives of the management system	6.2	6.2	6.2	6.2	6.2
Documentation information	7.5	7.5	7.5	7.5	7.5
Internal audit	9.2	9.2	9.2	9.2	9.2
Management review	9.3	9.3	9.3	9.3	9.3
Continual improvement	10.3	10.2	10.3	10	10.2

A quality management system (QMS) is defined as a formalized system that documents processes, procedures, and responsibilities for achieving quality policies and objectives. A QMS helps coordinate and direct an organization's activities to meet customer and regulatory requirements and improve its effectiveness and efficiency on a continuous basis.

ISO/IEC 17021-1

Conformity assessment — Requirements for bodies providing audit and certification of management systems — Part 1: Requirements

17021-2	Environmental management system
17021-3	Quality management system
17021-4	Event sustainability management
17021-5	Asset management system
17021-6	Business continuity management system
17021-7	Road traffic safety management system
17021-9	Anti-bribery management systems
17021-10	Occupational health and safety management system

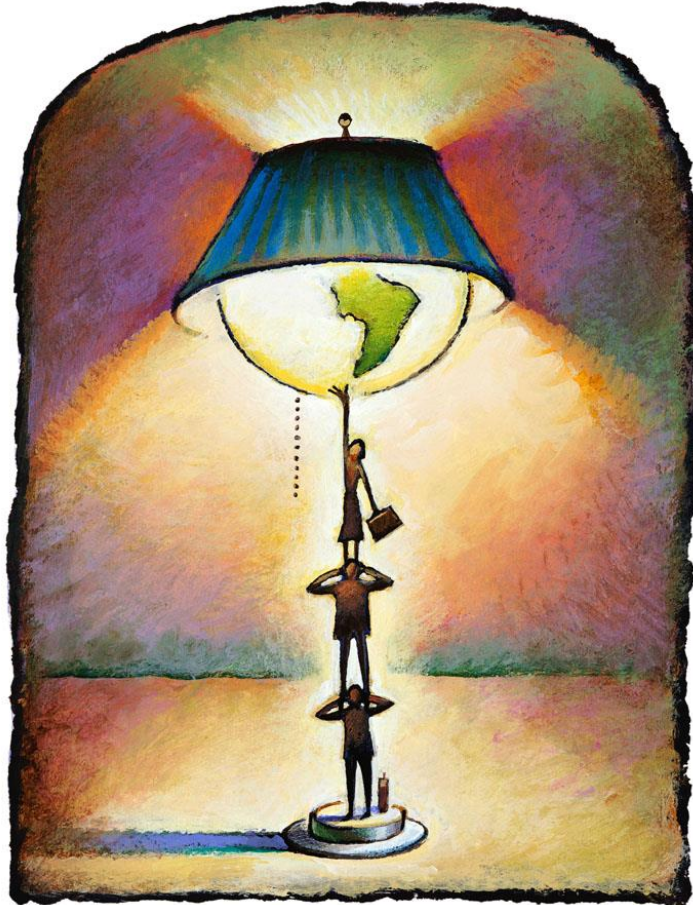
Benefits of QMS/Product Certification/Inspection on harmonized Agricultural Machinery standards

- Implementing a quality management system affects every aspect of an organization's performance. Benefits of a documented quality management system include:
 - Meeting the customer's requirements, which helps to instill confidence in the organization, in turn leading to more customers, more sales, and more repeat business
 - Meeting the organization's requirements, which ensures compliance with regulations and provision of products and services in the most cost- and resource-efficient manner, creating room for expansion, growth, and profit
- These benefits offer additional advantages, including:
 - Defining, improving, and controlling processes
 - Reducing waste
 - Preventing mistakes
 - Lowering costs
 - Facilitating and identifying training opportunities
 - Engaging staff
 - Setting organization-wide direction
 - Communicating a readiness to produce consistent result

Quality Objectives of SCC/Product Certification-PSQCA

- Quality System: The pace of decrease in nonconformities observed during internal or Pakistan National Accreditation Council audits is monitored and used as a tool to continuously improve the quality system.
- For Commercial Success: Growth and profitability are measured and goals are set according to these measurements.
- Business Growth Activities: New business fields and markets are searched, and activities are forwarded to those areas.
- Personal Development of Employees; Trainings are planned, held and evaluated to develop communicational and technical skills of employees.
- All PSQCA-SCC activities are designed and performed in accordance with regulations, standards and guiding documents about its accreditations and authorizations. Monitoring/inspections of all activities are realized through internal audits.
- PSQCA-SCC customers are the company's reason for existence. Therefore, customer demands and needs are taken seriously, and dealt with in the shortest time possible. All processes related to customers are managed effectively, and customers are treated fairly and equally in a way to make them feel valued.
- Objections to decisions taken in conformity assessments are analysed effectively and candidly. Within the framework of the principle of being customer-focused, it is specifically emphasized to customers that they are being served in line with their long term interests.
- Our competent employees, our ability for objective evaluation, our impartiality and independence are our most valuable assets for our customers. We are well aware of the importance of our objective and independent services for our customers provided under the current competitive economic conditions

Education & Training Services



- Promote use and value of standards
- Promote Strategic Standardization Management
- Provide training on standardization participation, leadership, and administration

PSQCA as a Policy Forum



- Facilitate Pakistani, regional and international standardization policy development

PSQCA is the bridge for standardization
Between research institutions and industries
between industry and government
among and within industries

PSQCA Business Plan will cover these Stakeholders

-PSQCA will focus on following awareness programs in future:

- **Consumer Awareness Programmes:** For promoting the concept of standardization, certification and quality consciousness among consumers, awareness programmes are organized on a regular basis through various Regional offices and Branch offices of PSQCA, sometimes in association with Consumer Organizations.
- **Mutual Recognition of international standards and MRA of Agriculture Machinery:** PSQCA will already been adopt the ISO standards on agricultural machinery. Now we will in collaboration with Center of Sustainable Agricultural Mechanism and Asian Pacific Network for Testing of Agriculture Machinery
- **Industry Awareness Programmes:** To propagate the concept of standardization, product certification, management systems certification and other PSQCA activities amongst Industries, Industry Awareness Programmes are conducted by PSQCA.
- **Educational Utilization of Standards Programmes:** PSQCA organizes Educational Utilization of Standards Programmes (EUS) for students and faculties of schools, colleges etc., to inculcate the young minds with the concepts and benefits of standardization.
- **Public Relations:** The publicity activity of PSQCA is aimed at creating awareness for various PSQCA activities among its target audience including the of agricultural machinery Industry and common Consumer, significantly relating to Standardization, Certification of goods & services.

