

Quality Assurance and Standards

Quality assurance standards (or QA for short) are a set of standards that have been chosen and implemented by businesses all around the world to show commitment to delivering quality products and services to their customers. Specifically, quality assurance (or QA) standards are about meeting customers' requirements are exceeding their expectations.

To meet QA standards, a company will document how it will meet the requirements of a client or customer in a systematic, reliable fashion.

Meeting QA standards shows companies a commitment to delivering quality products and services to the purchaser.

Meeting quality assurance standards does not however guarantee a quality product, nor should the quality assurance logo or stamp of approval be placed on the product, as it is the company and not the product or service that is certified.

ISO 9001 is the most recognized quality assurance or QA system standard internationally.

Some of the other standards related to QA and Testing processes are mentioned below:

Sr.No	Standard & Description
1	IEEE 829 A standard for the format of documents used in different stages of software testing.
2	IEEE 1061 A methodology for establishing quality requirements, identifying, implementing, analyzing, and validating the process, and product of software quality metrics.
3	IEEE 1059 Guide for Software Verification and Validation Plans.
4	IEEE 1008 A standard for unit testing.
5	IEEE 1012 A standard for Software Verification and Validation.

6	IEEE 1028 A standard for software inspections.
7	IEEE 1044 A standard for the classification of software anomalies.
8	IEEE 1044-1 A guide for the classification of software anomalies.
9	IEEE 830 A guide for developing system requirements specifications.
10	IEEE 730 A standard for software quality assurance plans.
11	IEEE 1061 A standard for software quality metrics and methodology.
12	IEEE 12207 A standard for software life cycle processes and life cycle data.
13	BS 7925-1 A vocabulary of terms used in software testing.
14	BS 7925-2 A standard for software component testing.