



Quality Journey - A Timeline of Quality Events & Methods

(Source : Book on Statistical Quality Control by
Montgomery)

Quality Journey – A timeline of Quality Events and Methods

An attempt to provide the emergence of Quality methods & Quality related key events in various Industries, across the world ! Developments since 1700 to till date are briefly mentioned herewith !

Year	Journey
1980	Experimental design methods are introduced to and adopted by a wider group of organizations, including electronics, aerospace, semiconductor, and the automotive industries. The works of Taguchi on designed experiments first appear in the United States.
1984	The American Statistical Association (ASA) establishes the Ad Hoc Committee on Quality and Productivity; this later becomes a full section of the ASA. The journal <i>Quality and Reliability Engineering International</i> appears.
1986	Box and others visit Japan, noting the extensive use of designed experiments and other statistical methods.

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1987	ISO publishes the first quality systems standard. Motorola's six-sigma initiative begins.
1988	The Malcolm Baldrige National Quality Award is established by the U.S. Congress. The European Foundation for Quality Management is founded; this organization administers the European Quality Award.
1989	The journal <i>Quality Engineering</i> appears.
1990s	ISO 9000 certification activities increase in U.S. industry; applicants for the Baldrige award grow steadily; many states sponsor quality awards based on the Baldrige criteria.

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1995	Many undergraduate engineering programs require formal courses in statistical techniques, focusing on basic methods for process characterization and improvement.
1997	Motorola's six-sigma approach spreads to other industries. Quality improvements, based on <u>Shainin DoE</u> Started in Motorola, the US. This has improved the Quality of Motorola and also attracted many organizations, across the world !
1998	The American Society for Quality Control becomes the American Society for Quality (see www.asq.org), attempting to indicate the broader aspects of the quality improvement field.
2000s	ISO 9000:2000 standard is issued. Supply-chain management and supplier quality become even more critical factors in business success. Quality improvement activities expand beyond the traditional industrial setting into many other areas including financial services, health care, insurance, and utilities.

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Today's Quality Management System Status

Sl. No.	Standard / System / Applicability	Status
1	ISO 9001 : For any type of organizations	2015 (Edition 5)
2	IATF 16949 : Only for Automotive organizations	2016 (Edition 1)
3	ISO 19011 : For Auditing QMS, EMS & OHSAS	2018 (Edition 3)
4	Deming Application Prize : For any type of organizations	Active
5	Japanese Quality Medal (JQM) : Only for Deming companies	Active