

ISO Standards for Six Sigma

The ISO (the International Organization for Standardization) has published a few standards due to its global popularity and attempt to standardize the process and reporting. However the standard does not cover the DFSS process, only DMAIC.

You can preview more and purchase the standard by [clicking here](#).

ISO 13053-1:

Quantitative methods in process improvement - Six Sigma Part 1: DMAIC methodology

ISO 13053-1:2011 describes a methodology for the business improvement methodology known as Six Sigma. The methodology typically comprises five phases: define, measure, analyse, improve and control (DMAIC).

ISO 13053-1:2011 recommends the preferred or best practice for each of the phases of the DMAIC methodology used during the execution of a Six Sigma project. It also recommends how Six Sigma projects should be managed and describes the roles, expertise and training of the personnel involved in such projects. It is applicable to organizations using manufacturing processes as well as service and transactional processes.

ISO 13053-2

Quantitative methods in process improvement - Six Sigma Part 1: Tools and Techniques

Describes the tools and techniques, illustrated by factsheets, to be used at each phase of the DMAIC approach.

The methodology set out in ISO 13053-1 is generic and remains independent of any individual industrial or economic sector. This makes the tools and techniques described in ISO 13053-2:2011 applicable to any sector of activity and any size business seeking to gain a competitive advantage.

ISO 18404: 2015

Quantitative methods in process improvement - Six Sigma — Competencies for key personnel and their organizations in relation to Six Sigma and Lean implementation.

There is quite a bit of debate over the qualifications for each level of Six Sigma's "belts" and the boundaries that distinguish each of them. This standard defines competencies for attaining of specific levels of competency with regards to Six Sigma, Lean, and "Lean & Six Sigma" in individuals, e.g. Black Belt, Green Belt and Lean practitioners and their organizations. Yellow Belt is not included and excludes the DFSS process.

