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Quality management — Guidance for quality tools and their application

Management de la qualité — Recommandations pour les outils qualité et leur mise en oeuvre

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Contents

Foreword

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Introduction

The quality of products and services delivered by an organization is achieved through the processes and procedures that constitute a quality management system (QMS). The function of a QMS is, in broad terms, to enable and ensure that the resulting products and services meet the desired objectives.

Quality tools are an integral element of a QMS. This document seeks to familiarize users with a range of quality tools that potentially have useful applications in a QMS as described by ISO 9001, and to assist in the selection of quality tools appropriate to the task at hand.

In this document, the term "quality tool" is synonymous with "quality techniques". The range of tools that could be cited is vast. Therefore, the focus of this document is on tools that have seen successful application in a wide range of activities in diverse sectors, and to draw attention to some that can be relatively less known to some users. Statistical techniques are addressed in a separate standard, ISO 10017.

This document provides a brief description of each of the selected tools to assist the user in determining whether the tool has beneficial application in a particular context. The document also provides instruction on how the tool can be used.