

ANSI/ISO/ASQC A3534-2-1993

AMERICAN NATIONAL STANDARD

Statistics—Vocabulary and Symbols— Statistical Quality Control



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Statistics—Vocabulary and Symbols— Statistical Quality Control

*Prepared by
American Society for Quality Control Standards Committee
for
American National Standards Committee Z-1 on Quality Assurance*

An American National Standard Approved on February 26, 1996

Descriptors: statistical analysis, quality control, vocabulary.

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10 9 8 7 6 5 4 3 2

Printed in the United States of America



Printed on acid-free paper

Published by:

ASQC
611 East Wisconsin Avenue
Milwaukee, Wisconsin 53202

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Foreword

(This foreword is not part of American National Standard ANSI/ISO/ASQC A3534-2-1993, *Statistics—Vocabulary and Symbols—Statistical Quality Control*.)

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and nongovernmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75% of the member bodies casting a vote.

International Standard ISO 3534-2 was prepared by Technical Committee ISO/TC 69, *Applications of statistical methods*, Subcommittee SC 1, *Terminology and symbols*. ISO 3534 consists of the following three parts, under the general title *Statistics—Vocabulary and symbols*:

- Part 1: *Probability and general statistical terms*
- Part 2: *Statistical quality control*
- Part 3: *Design of experiments*

The United States Technical Advisory Group (TAG) to ISO/TC 69 is active in all of the activities of this committee. It seeks to ensure that all standards written by ISO/TC 69 are consistent with United States interests. This is done by representative membership on the U.S. TAG, by circulating drafts of proposed standards widely in the United States for comment, and by ensuring that these comments are considered by the appropriate ISO/TC 69 working group. By these means, most new or revised International Standards can be adopted readily as American National Standards. Although there are editorial changes to incorporate American language usage and spelling, the American National Standards are equivalent to the corresponding ISO Standards. To demonstrate this equivalent, the numerical designation of the American National Standards is the same numerical designation as the corresponding International Standard with a prefix such as A, in this case A3534-2.

Annex A forms an integral part of ANSI/ISO/ASQC 3534-2-1993.

The first editions of ANSI/ISO/ASQC A3534-1-1993 and ANSI/ISO/ASQC A3534-2-1993 serve as partial replacement for ANSI/ASQC A1, *Definitions, Symbols, Formulas, and Tables for Control Charts* and ANSI/ASQC A2, *Terms, Symbols, and Definitions for Acceptance Sampling*, which have been withdrawn.

Comments concerning this standard will be welcome and considered in future standards development and revision. They should be sent to the Standards Administrator, American Society for Quality Control, 611 East Wisconsin Avenue, Milwaukee, Wisconsin 53202.

ANSI/ISO/ASQC A3534-2-1993

STATISTICS—VOCABULARY AND SYMBOLS— STATISTICAL QUALITY CONTROL

1 SCOPE

ANSI/ISO/ASQC A3534-2-1993 defines statistical quality control terms which may be used in the drafting of other International Standards and American National Standards.

The terms are classified under the following main headings:

—General statistical and quality control terms,

—Sampling and acceptance sampling terms,

—Terms relating to process measures.

The entries in ANSI/ISO/ASQC A3534-2-1993 are arranged analytically and an alphabetical index is provided.

Annex A gives a list of symbols and abbreviations used in ANSI/ISO/ASQC A3534-2-1993.