

AMERICAN NATIONAL STANDARD

Terms, Symbols, and Definitions for Acceptance Sampling



AMERICAN SOCIETY FOR QUALITY CONTROL
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ABSTRACT

AMERICAN NATIONAL STANDARD: An American National Standard implies a consensus of those substantially concerned with its scope and provisions. An American National Standard is intended as a guide to aid the manufacturer, the consumer, and the general public. The existence of an American National Standard does not in any respect preclude anyone, whether he has approved the standard or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standard. American National Standards are subject to periodic review and users are cautioned to obtain the latest editions.

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Foreword

(This Foreword is not a part of American National Standard *Terms, Symbols, and Definitions for Acceptance Sampling*.)

The Standards Committee of the American Society for Quality Control was formed in 1947, being "authorized to study and select symbols, concepts, terms, procedures, and other matters which it feels the Society might standardize to advantage and to make recommendations to the Board of Directors regarding such standardization."

One resultant standard was ANSI/ASQC A2-1957 "Terms, Symbols, and Definitions for Acceptance Sampling" which was revised in 1971 and 1978.

This revision includes several minor changes from the 1978 standard which contained major changes from the 1971 standard. The original standard was restricted to acceptance sampling by attributes, whereas the 1978 revision also included acceptance sampling by variables. The style of presentation also was expanded in 1978 to include extensive comments both to provide more complete explanations and to permit comparison of the various acceptance sampling approaches. Another significant change is in the area of language clarification, particularly in Section 1 and 2 so as to broaden the use of these sampling approaches. Many additional terms have been defined due to the above mentioned expansion in scope. This revision includes some changes and additions so as to be in agreement with ISO 3534 and ISO 8402 whenever possible.

Scope

The scope of this document is intended to cover the major forms of acceptance sampling schemes in general use in United States industry for both attributes and variables measures involving the percent or proportion of variant units in a lot batch or continuous stream of units.

Writing Committee

Comments or suggestions for improvement will be welcomed and should be sent to the chairman, Professor Harrison M. Wadsworth, at Georgia Institute of Technology, School of Industrial and Systems Engineering, Atlanta, Georgia 30332, or the sponsor of the standard, American Society for Quality Control, 310 West Wisconsin Avenue, Milwaukee, Wisconsin 53203.

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