

**NOT MEASUREMENT
SENSITIVE**

**MIL-STD-105E
10 MAY 1989**

**SUPERSEDING
MIL-STD-105D
29 APRIL 1963**

MILITARY STANDARD

**SAMPLING PROCEDURES AND TABLES
FOR INSPECTION BY ATTRIBUTES**



AMSC N/A

AREA QCIC

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

MIL-STD-105E

DEPARTMENT OF DEFENSE
Washington, DC 20301

SAMPLING PROCEDURES AND TABLES FOR INSPECTION BY ATTRIBUTES

1. This military standard is approved for use by all Departments and Agencies of the Department of Defense.
2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to:

Commander
U.S. Army Armament Research, Development and
Engineering Center
ATTN: SMCAR-BAC-S/Bldg. 6
Picatinny Arsenal, NJ 07806-5000

by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or letter.

MIL-STD-105E

FOREWORD

This publication provides sampling procedures and reference tables for use in planning and conducting inspection by attributes. The sampling concept is based on the probabilistic recurrence of events when a series of lots or batches are produced in a stable environment.

This publication should be used to guide the user in the development of an inspection strategy that provides a cost effective approach to attaining confidence in product compliance with contractual technical requirements. The user is warned of the assumed risks relative to the chosen sample size and AQL.

Military specifications should not contain requirements for use of specific sampling plans, nor should they provide AQL's or LTPD's as a requirement.

Sampling plans for continuous, rather than lot inspection, are contained in MIL-STD-1235, "Single and Multi-Level Continuous Sampling Procedures and Tables for Inspection by Attributes".

MIL-STD-105E

CONTENTS

Paragraph		Page
1.	SCOPE.....	1
1.1	Purpose.....	1
1.2	Application.....	1
2.	REFERENCED DOCUMENTS.....	1
2.1	Not applicable.....	1
3.	DEFINITIONS.....	1
3.1	Acceptable Quality Level (AQL).....	2
3.2	Average Outgoing Quality (AOQ).....	2
3.3	Average Outgoing Quality Limit (AOQL).....	2
3.4	Classification of Defects.....	2
3.5	Critical Defect.....	2
3.6	Critical Defective.....	2
3.7	Defect.....	2
3.8	Defective.....	3
3.9	Defects Per Hundred Units.....	3
3.10	Inspection.....	3
3.11	Inspection by Attributes.....	3
3.12	Lot or Batch.....	3
3.13	Lot or Batch Size.....	3
3.14	Major Defect.....	3
3.15	Major Defective.....	3
3.16	Minor Defect.....	3
3.17	Minor Defective.....	3
3.18	Percent Defective.....	4
3.19	Process Average.....	4
3.20	Sample.....	4
3.21	Sample Size Code Letter.....	4
3.22	Sampling Plan.....	4
3.23	Unit of Product.....	4
4.	GENERAL REQUIREMENTS.....	4
4.1	Written Procedures.....	4
4.2	Nonconformance.....	4
4.3	Formation and Identification of Lots or Batches...	5
4.4	AQL.....	5
4.4.1	AQL Use.....	5
4.4.2	Limitation.....	5
4.4.3	Choosing AQLs.....	5

MIL-STD-105E

CONTENTS - Continued.

Paragraph		Page
4.5	Sampling.....	5
4.5.1	Representative Sampling.....	5
4.5.2	Time of Sampling.....	5
4.5.3	Double or Multiple Sampling.....	5
4.6	Inspection Procedures.....	6
4.7	Switching Procedures.....	6
4.7.1	Normal to Tightened.....	6
4.7.2	Tightened to Normal.....	6
4.7.3	Normal to Reduced.....	6
4.7.4	Reduced to Normal.....	6
4.8	Discontinuation of Inspection.....	7
4.9	Sampling Plans.....	7
4.9.1	Inspection Level.....	7
4.9.2	Code Letters.....	7
4.9.3	Obtaining Sampling Plan.....	7
4.9.4	Types of Sampling Plans.....	8
4.10	Determination of Acceptability.....	8
4.10.1	Percent Defective Inspection.....	8
4.10.1.1	Single Sampling Plan.....	8
4.10.1.2	Double Sampling Plan.....	8
4.10.1.3	Multiple Sampling Plan.....	8
4.10.1.4	Special Procedure for Reduced Inspection.....	8
4.10.2	Defects Per Hundred Units Inspection.....	9
4.11	Limiting Quality Protection.....	9
4.12	Curves.....	9
4.12.1	Operating Characteristic Curves.....	9
4.12.2	Average Sample Size Curves.....	9
5.	TABLES.....	11
Table		
I.	Sample Size Code Letters.....	13
II-A.	Single Sampling Plans for Normal Inspection (Master table).....	14
II-B.	Single Sampling Plans for Tightened Inspection (Master table).....	15
II-C.	Single Sampling Plans for Reduced Inspection (Master table).....	16
III-A.	Double Sampling Plans for Normal Inspection (Master table).....	17
III-B.	Double Sampling Plans for Tightened Inspection (Master table).....	18
III-C.	Double Sampling Plans for Reduced Inspection (Master table).....	19

MIL-STD-105E

CONTENTS - Continued.

Table		Page
IV-A.	Multiple Sampling Plans for Normal Inspection (Master table).....	20
IV-B.	Multiple Sampling Plans for Tightened Inspection (Master table).....	22
IV-C.	Multiple Sampling Plans for Reduced Inspection (Master table).....	24
V-A.	Average Outgoing Quality Limit Factors for Normal Inspection (Single Sampling).....	26
V-B.	Average Outgoing Quality Limit Factors for Tightened Inspection (Single Sampling).....	27
VI-A.	Limiting Quality (in Percent Defective) for which a $P_a = 10\%$ (for Normal Inspection, Single Sampling).....	28
VI-B.	Limiting Quality (in Defects per Hundred Units) for which the $P_a = 10\%$ (for Normal Inspection, Single Sampling).....	29
VII-A.	Limiting Quality (in Percent Defective) for which the $P_a = 5\%$ (for Normal Inspection, Single Sampling).....	30
VII-B.	Limiting Quality (in Defects per Hundred Units) for which the $P_a = 5\%$ (for Normal Inspection, Single Sampling).....	31
VIII.	Limit Numbers for Reduced Inspection.....	32
IX.	Average Sample Size Curves for Double and Multiple Sampling.....	33
Sampling Plans and Operating Characteristic Curves (and Data) for:		
X-A.	Sample Size Code Letter A.....	34
X-B.	Sample Size Code Letter B.....	36
X-C.	Sample Size Code Letter C.....	38
X-D.	Sample Size Code Letter D.....	40
X-E.	Sample Size Code Letter E.....	42
X-F.	Sample Size Code Letter F.....	44
X-G.	Sample Size Code Letter G.....	46
X-H.	Sample Size Code Letter H.....	48
X-J.	Sample Size Code Letter J.....	50
X-K.	Sample Size Code Letter K.....	52
X-L.	Sample Size Code Letter L.....	54
X-M.	Sample Size Code Letter M.....	56
X-N.	Sample Size Code Letter N.....	58
X-P.	Sample Size Code Letter P.....	60
X-Q.	Sample Size Code Letter Q.....	62
X-R.	Sample Size Code Letter R.....	64

MIL-STD-105E

CONTENTS - Continued.

		<u>Page</u>
X-S.	Sample Size Code Letter S.....	66
Paragraph		
6.	NOTES.....	67
6.1	Intended Use.....	67
6.2	Subject Term (key word) Listing.....	67
6.3	Changes from Previous Issue.....	67
	CONCLUDING MATERIAL.....	68

MIL-STD-105E

SAMPLING PROCEDURES AND TABLES FOR INSPECTION BY ATTRIBUTES

1. SCOPE

1.1 Purpose. This publication establishes lot or batch sampling plans and procedures for inspection by attributes. This publication shall not be interpreted to supercede or conflict with any contractual requirements. The words "accept", "acceptance", "acceptable", etc, refer only to the contractor's use of the sampling plans contained in this standard and do not imply an agreement by the Government to accept any product. Determination of acceptability by the Government shall be as described in contractual documents. The sampling plans described in this standard are applicable to AQL's of .01 percent or higher and are therefore not suitable for applications where quality levels in the defective parts per million range can be realized.

1.2 Application. Sampling plans designated in this publication are applicable, but not limited, to inspection of the following:

- a. End items.
- b. Components and raw materials.
- c. Operations or services.
- d. Materials in process.
- e. Supplies in storage.
- f. Maintenance operations.
- g. Data or records.
- h. Administrative procedures.

These plans are intended primarily to be used for a continuing series of lots or batches. The plans may also be used for the inspection of isolated lots or batches, but, in this latter case, the user is cautioned to consult the operating characteristic curves to find a plan which will yield the desired protection (See 4.11).

2. REFERENCED DOCUMENTS

2.1 Not applicable.

3. DEFINITIONS

MIL-STD-105E

3.1 Acceptable Quality Level (AQL). When a continuous series of lots is considered, the AQL is the quality level which, for the purposes of sampling inspection, is the limit of a satisfactory process average (See 3.19).

NOTE: A sampling plan and an AQL are chosen in accordance with the risk assumed. Use of a value of AQL for a certain defect or group of defects indicates that the sampling plan will accept the great majority of the lots or batches provided the process average level of percent defective (or defects per hundred units) in these lots or batches be no greater than the designated value of AQL. Thus, the AQL is a designated value of percent defective (or defects per hundred units) for which lots will be accepted most of the time by the sampling procedure being used. The sampling plans provided herein are so arranged that the probability of acceptance at the designated AQL value depends upon the sample size, being generally higher for large samples than for small ones, for a given AQL. The AQL alone does not identify the chances of accepting or rejecting individual lots or batches but more directly relates to what might be expected from a series of lots or batches, provided the steps indicated in this publication are taken. It is necessary to refer to the operating characteristic curve of the plan to determine the relative risks.

3.2 Average Outgoing Quality (AOQ). For a particular process average, the AOQ is the average quality of outgoing product including all accepted lots or batches, plus all rejected lots or batches after the rejected lots or batches have been effectively 100 percent inspected and all defectives replaced by non-defectives.

3.3 Average Outgoing Quality Limit (AOQL). The AOQL is the maximum AOQ for a given acceptance sampling plan. Factors for computing AOQL values are given in Table V-A for each of the single sampling plans for normal inspection and in Table V-B for each of the single sampling plans for tightened inspection.

3.4 Classification of Defects. A classification of defects is the enumeration of possible defects of the unit of product classified according to their seriousness.

3.5 Critical Defect. A critical defect is a defect that judgement and experience indicate would result in hazardous or unsafe conditions for individuals using, maintaining, or depending upon the product, or a defect that judgement and experience indicate is likely to prevent performance of the tactical function of a major end item such as a ship, aircraft, tank, missile, or space vehicle.

3.6 Critical Defective. A critical defective is a unit of product which contains one or more critical defects and may also contain major and/or minor defects.

3.7 Defect. A defect is any nonconformance of the unit of product with specified requirements.

MIL-STD-105E

3.8 Defective. A defective is a unit of product which contains one or more defects.

3.9 Defects per Hundred Units. The number of defects per hundred units of any given quantity of units of product is one hundred times the number of defects contained therein (one or more defects being possible in any unit of product) divided by the total number of units of product, i.e.:

$$\text{Defects per hundred units} = \frac{\text{Number of defects} \times 100}{\text{Number of units inspected}}$$

3.10 Inspection. Inspection is the process of measuring, examining, testing, or otherwise comparing the unit of product with the requirements.

3.11 Inspection by Attributes. Inspection by attributes is inspection whereby either the unit of product is classified simply as defective or non-defective, or the number of defects in the unit of product is counted, with respect to a given requirement or set of requirements.

3.12 Lot or Batch. The term lot or batch shall mean "inspection lot" or "inspection batch", i.e., a collection of units of product from which a sample is to be drawn and inspected and may differ from a collection of units designated as a lot or batch for other purposes (e.g., production, shipment, etc.).

3.13 Lot or Batch Size. The lot or batch size is the number of units of product in a lot or batch.

3.14 Major Defect. A major defect is a defect, other than critical, that is likely to result in failure, or to reduce materially the usability of the unit of product for its intended purpose.

3.15 Major Defective. A major defective is a unit of product which contains one or more major defects, and may also contain minor defects but contains no critical defect.

3.16 Minor Defect. A minor defect is a defect that is not likely to reduce materially the usability of the unit of product for its intended purpose, or is a departure from established standards having little bearing on the effective use or operation of the unit.

3.17 Minor Defective. A minor defective is a unit of product which contains one or more minor defects but contains no critical or major defect.

MIL-STD-105E

3.18 Percent Defective. The percent defective of any given quantity of units of product is one hundred times the number of defective units of product contained therein divided by the total number of units of product, i.e.:

$$\text{Percent Defective} = \frac{\text{Number of defectives} \times 100}{\text{Number of units inspected}}$$

3.19 Process Average. The process average is the average percent defective or average number of defects per hundred units (whichever is applicable) of product submitted by the supplier for original inspection. Original inspection is the first inspection of a particular quantity of product as distinguished from the inspection of product which has been resubmitted after prior rejection.

3.20 Sample. A sample consists of one or more units of product drawn from a lot or batch, the units of the sample being selected at random without regard to their quality. The number of units of product in the sample is the sample size.

3.21 Sample Size Code Letter. The sample size code letter is a device used along with the AQL for locating a sampling plan on a table of sampling plans.

3.22 Sampling Plan. A sampling plan indicates the number of units of product from each lot or batch which are to be inspected (sample size or series of sample sizes) and the criteria for determining the acceptability of the lot or batch (acceptance and rejection numbers).

3.23 Unit of Product. The unit of product is the thing inspected in order to determine its classification as defective or non-defective or to count the number of defects. It may be a single article, a pair, a set, a length, an area, an operation, a volume, a component of an end product, or the end product itself. The unit of product may or may not be the same as the unit of purchase, supply, production, or shipment.

4. GENERAL REQUIREMENTS

4.1 Written Procedures. Written procedures are ordinarily developed and made available for the Government representative's review, upon request. When the written procedures indicate use of this standard, they shall comply with the requirements of this standard and reference appropriate parts as necessary.

4.2 Nonconformance. The extent of nonconformance of product shall be expressed either in terms of percent defective or in terms of defects per hundred units.

MIL-STD-105E

4.3 Formation and Identification of Lots or Batches. The product shall be assembled into identifiable lots, sublots, batches, or in such other manner as may be prescribed. Each lot or batch shall, as far as is practicable, consist of units of product of a single type, grade, class, size, and composition, manufactured under essentially the same conditions, and at essentially the same time. The lots or batches shall be identified by the contractor and shall be kept intact in adequate and suitable storage space.

4.4 AQL.

4.4.1 AQL Use. The AQL, together with the Sample Size Code Letter, is used for indexing the sampling plans provided herein.

4.4.2 Limitation. The selection or use of an AQL shall not imply that the contractor has the right to supply any defective unit of product.

4.4.3 Choosing AQLs. Different AQLs may be chosen for groups of defects considered collectively, or for individual defects. An AQL for a group of defects may be chosen in addition to AQLs for individual defects, or subgroups, within that group. AQL values of 10.0 or less may be expressed either in percent defective or in defects per hundred units; those over 10.0 shall be expressed in defects per hundred units only.

4.5 Sampling.

4.5.1 Representative (Stratified) Sampling. When appropriate, the number of units in the sample shall be selected in proportion to the size of sublots or sub-batches, or parts of the lot or batch, identified by some rational criterion. When representative sampling is used, the units from each subplot, sub-batch or part of the lot or batch shall be selected at random.

4.5.2 Time of Sampling. A sample may be drawn after all the units comprising the lot or batch have been assembled, or sample units may be drawn during assembly of the lot or batch, in which case the size of the lot or batch will be determined before any sample units are drawn. If the sample units are drawn during assembly of the lot or batch, and if the rejection number is reached before the lot is completed, that portion of the lot already completed shall be rejected. The cause of the defective product shall be determined and corrective action taken, after which a new lot or batch shall be begun.

4.5.3 Double or Multiple Sampling. When double or multiple sampling is to be used, each sample shall be selected over the entire lot or batch.

MIL-STD-105E

4.6 Inspection Procedures. Normal inspection will be used at the start of inspection. Normal, tightened or reduced inspection shall continue unchanged for each class of defects or defectives on successive lots or batches except where the switching procedures given below require change. The switching procedures shall be applied to each class of defects or defectives independently.

4.7 Switching Procedures.

4.7.1 Normal to Tightened. When normal inspection is in effect, tightened inspection shall be instituted when 2 out of 2, 3, 4, or 5 consecutive lots or batches have been rejected on original inspection (i.e., ignoring resubmitted lots or batches for this procedure).

4.7.2 Tightened to Normal. When tightened inspection is in effect, normal inspection shall be instituted when 5 consecutive lots or batches have been considered acceptable on original inspection.

4.7.3 Normal to Reduced. When normal inspection is in effect, reduced inspection shall be instituted provided that all of the following conditions are satisfied:

a. The preceding 10 lots or batches (or more, as indicated by the note to Table VIII) have been on normal inspection and all have been accepted on original inspection; and

b. The total number of defectives (or defects) in the samples from the preceding 10 lots or batches (or such other number as was used for condition "a" above) is equal to or less than the applicable number given in Table VIII. If double or multiple sampling is in use, all samples inspected should be included, not "first" samples only; and

c. Production is at a steady rate; and

d. Reduced inspection is considered desirable.

4.7.4 Reduced to Normal. When reduced inspection is in effect, normal inspection shall be instituted if any of the following occur on original inspection:

a. A lot or batch is rejected; or

b. A lot or batch is considered acceptable under the procedures of 4.10.1.4, or

c. Production becomes irregular or delayed; or

d. Other conditions warrant that normal inspection shall be instituted.

MIL-STD-105E

4.8 Discontinuation of Inspection. If the cumulative number of lots not accepted in a sequence of consecutive lots on original tightened inspection reaches five, the acceptance procedures of this standard shall be discontinued. Inspection under the provisions of this standard shall not be resumed until corrective action has been taken. Tightened inspection shall then be used as if 4.7.1 had been invoked.

4.9 Sampling Plans.

4.9.1 Inspection Level. The inspection level determines the relationship between the lot or batch size and the sample size. The inspection level to be used for any particular requirement will be as prescribed by the contractor's written procedures. Three inspection levels: I, II, and III, are given in Table I for general use (see 4.1). Normally, Inspection Level II is used. However, Inspection Level I may be used when less discrimination is needed, or Level III may be used for greater discrimination. Four additional special levels: S-1, S-2, S-3, and S-4, are given in the same table and may be used where relatively small sample sizes are necessary and large sampling risks can or must be tolerated.

NOTE: In the selection of inspection levels S-1 to S-4, care must be exercised to avoid AQLs inconsistent with these inspection levels. In other words, the purpose of the special inspection levels is to keep samples small when necessary. For instance, the code letters under S-1 go no further than D, equivalent to a single sample of size 8, but it is of no use to choose S-1 if the AQL is 0.10 percent for which the minimum sample is 125.

4.9.2 Code Letters. Sample sizes are designated by code letters. Table I shall be used to find the applicable code letter for the particular lot or batch size and the prescribed inspection level.

4.9.3 Obtaining Sampling Plan. The AQL and the code letter shall be used to obtain the sampling plan from Tables II, III, or IV. When no sampling plan is available for a given combination of AQL and code letter, the tables direct the user to a different letter. The sample size to be used is given by the new code letter, not by the original letter. If this procedure leads to different sample sizes for different classes of defects, the code letter corresponding to the largest sample size derived may be used for all classes of defects. As an alternative to a single sampling plan with an acceptance number of 0, the plan with an acceptance number of 1 with its correspondingly larger sample size for a designated AQL (where available), may be used.

MIL-STD-105E

4.9.4 Types of Sampling Plans. Three types of sampling plans: Single, Double, and Multiple, are given in Tables II, III, and IV, respectively. When several types of plans are available for a given AQL and code letter, any one may be used. A decision as to type of plan, either single, double, or multiple, when available for a given AQL and code letter, will usually be based upon the comparison between the administrative difficulty and the average sample sizes of the available plans. The average sample size of multiple plans is less than for double (except in the case corresponding to single acceptance number 1) and both of these are always less than a single sample size (see Table IX). Usually the administrative difficulty for single sampling and the cost per unit of the sample are less than for double or multiple.

4.10 Determination of Acceptability.

4.10.1 Percent Defective Inspection. To determine acceptability of a lot or batch under percent defective inspection, the applicable sampling plan shall be used in accordance with 4.10.1.1, 4.10.1.2, 4.10.1.3, and 4.10.1.4.

4.10.1.1 Single Sampling Plan. The number of sample units inspected shall be equal to the sample size given by the plan. If the number of defectives found in the sample is equal to or less than the acceptance number, the lot or batch shall be considered acceptable. If the number of defectives is equal to or greater than the rejection number, the lot or batch shall be rejected.

4.10.1.2 Double Sampling Plan. A number of sample units equal to the first sample size given by the plan shall be inspected. If the number of defectives found in the first sample is equal to or less than the first acceptance number, the lot or batch shall be considered acceptable. If the number of defectives found in the first sample is equal to or greater than the first rejection number, the lot or batch shall be rejected. If the number of defectives found in the first sample is between the first acceptance and rejection numbers, a second sample of the same size shall be inspected. The number of defectives found in the first and second samples shall be accumulated. If the cumulative number of defectives is equal to or less than the second acceptance number, the lot or batch shall be considered acceptable. If the cumulative number of defectives is equal to or greater than the second rejection number, the lot or batch shall be rejected.

4.10.1.3 Multiple Sample Plan. Under multiple sampling, the procedure shall be similar to that specified in 4.10.1.2, except that the number of successive samples required to reach a decision may be as many as seven.

4.10.1.4 Special Procedure for Reduced Inspection. Under reduced inspection, the sampling procedure may terminate without either acceptance or rejection criteria having been met. In these circumstances, the lot or batch will be considered acceptable, but normal inspection will be reinstated starting with the next lot or batch (see 4.7.4.b).

MIL-STD-105E

4.10.2 Defects per Hundred Units Inspection. To determine the acceptability of a lot or batch under defects per hundred units inspection, the procedure specified for percent defective inspection above shall be used, except that the word "defects" shall be substituted for "defectives".

4.11 Limiting Quality Protection. The sampling plans and associated procedures given in this publication were designed for use where the units of product are produced in a continuing series of lots or batches over a period of time. However, if the lot or batch is of an isolated nature, it is desirable to limit the selection of sampling plans to those, associated with a designated AQL value, that provide not less than a specified limiting quality protection. Sampling plans for this purpose can be selected by choosing a Limiting Quality (LQ) and a consumer's risk to be associated with it. Tables VI and VII give values of LQ for the the commonly used consumer's risks of 10 percent and 5 percent respectively. If a different value of consumer's risk is required, the O.C. curves and their tabulated values may be used. The concept of LQ may also be useful in specifying the AQL and Inspection Levels for a series of lots or batches, thus fixing minimum sample size where there is some reason for avoiding (with more than a given consumer's risk) more than a limiting proportion of defectives (or defects) in any single lot or batch.

4.12 Curves.

4.12.1 Operating Characteristic Curves. The operating characteristic curves for normal inspection, shown in Table X, indicate the percentage of lots or batches which may be expected to be accepted under the various sampling plans for a given process quality. The curves shown are for single sampling; curves for double and multiple sampling are matched as closely as practicable. The O.C. curves shown for AQLs greater than 10.0 are based on the Poisson distribution and are applicable for defects per hundred units inspection; those for AQLs of 10.0 or less and sample sizes of 80 or less are based on the binomial distribution and are applicable for percent defective inspection; those for AQLs of 10.0 or less and sample sizes larger than 80 are based the Poisson distribution and are applicable either for defects per hundred units inspection, or for percent defective inspection (the Poisson distribution being an adequate approximation to the binomial distribution under these conditions). Tabulated values, corresponding to selected values or probabilities of acceptance (P_a , in percent) are given for each of the curves shown, and, in addition, for tightened inspection, and for defects per hundred units for AQLs of 10.0 or less and sample sizes of 80 or less.

4.12.2 Average Sample Size Curves. Average sample size curves for double and multiple sampling are in Table IX. These show the average sample sizes which may be expected to occur under the various sampling plans for given levels of process quality. The curves assume no curtailment of inspection and are approximate to the extent that they are based upon the Poisson distribution, and that the sample sizes for double and multiple sampling are assumed to be $0.631n$ and $0.25n$ respectively, where n is the equivalent sample size.

MIL-STD-105E

SECTION 5
TABLES AND CURVES

MTL-STD-105E

TABLE I—Sample size code letters

(see 4.9.1 and 4.9.2)

Lot or batch size	Special inspection levels				General inspection levels		
	S-1	S-2	S-3	S-4	I	II	III
2 to 8	A	A	A	A	A	A	B
9 to 15	A	A	A	A	A	B	C
16 to 25	A	A	B	B	B	C	D
26 to 50	A	B	B	C	C	D	E
51 to 90	B	B	C	C	C	E	F
91 to 150	B	B	C	D	D	F	G
151 to 280	B	C	D	E	E	G	H
281 to 500	B	C	D	E	F	H	J
501 to 1200	C	C	E	F	G	J	K
1201 to 3200	C	D	E	G	H	K	L
3201 to 10000	C	D	F	G	J	L	M
10001 to 35000	C	D	F	H	K	M	N
35001 to 150000	D	E	G	J	L	N	P
150001 to 500000	D	E	G	J	M	P	Q
500001 and over	D	E	H	K	N	Q	R

CODE
LETTERS

MIL-STD-105E

TABLE II-A—Single sampling plans for normal inspection (Master table)

(see 4.9.3 and 4.9.4)

Sample size code letter	Acceptable Quality Levels (normal inspection)																	
	0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	25
Sample size	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re
	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re
A	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
B	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
C	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
D	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
E	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
F	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
G	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
H	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
J	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
K	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
L	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
M	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
N	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
P	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
Q	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
R	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1

- Use first sampling plan below arrow.
- Use first sampling plan above arrow.
- Acceptance number.
- Rejection number.

SINGLE
 NORMAL

MTL-STD-105E

TABLE II-B—Single sampling plans for tightened inspection (Master table)

(see 4.9.3 and 4.9.4)

Sample size code letter	Acceptable Quality Levels (tightened inspection)																		Sample size
	0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	25	
A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
C	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
D	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
E	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
F	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
G	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
H	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
J	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
K	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
L	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
M	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315
N	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
P	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
Q	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250
R	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
S	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150

Use first sampling plan below arrow. If sample size equals or exceeds, for or both size, in 100 percent inspection.
 Use first sampling plan above arrow.
 Ac = Acceptance number.
 Re = Rejection number.

SINGLE
TIGHTENED

MIL-STD-105E

TABLE II-C—Single sampling plans for reduced inspection (Master table)
 (see 4.9.3 and 4.9.4)

Sample size code letter	Acceptable Quality Levels (reduced inspection)																		Sample size
	0.010	0.015	0.025	0.040	0.065	1.0	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	
A	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	2
B	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	2
C	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	2
D	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	3
E	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	5
F	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	8
G	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	13
H	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	20
J	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	32
K	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	50
L	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	80
M	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	125
N	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	200
P	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	315
Q	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	500
R	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	800

Use first sampling plan below arrow. If sample size equals or exceeds lot or batch size, do 100 percent inspection.

Use first sampling plan above arrow.

Ac = Acceptance number.

Re = Rejection number.

If the acceptance number has been exceeded, but the rejection number has not been reached, accept the lot, but reinspect normal inspection (see 4.10.1.4)

SINGLE
 REDUCED

(see 4.9.3 and 4.9.4)

- Use first sampling place below arrow. If sample also equals or exceeds last two levels, use 100 percent inspection.
- Use first sampling place above arrow
- Ac = Acceptance number
- Re = Rejection number
- Use corresponding single sampling plan (see otherwise, see double sampling plan below, where available)

**DOUBLE
NORMAL**

MIL-STD-105E

TABLE III-B—Double sampling plans for tightened inspection (Master Table)
 (see 4.9.3 and 4.9.4)

Sample size code letter	Sample size	Cumulative sample size	Acceptable quality levels (tightened inspection)																65	100	150	250	500	1000
			0.010	0.015	0.025	0.040	0.063	0.100	0.150	0.250	0.400	0.630	1.00	1.60	2.50	4.00	6.30	10.0						
			Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re						
A			→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
B	First Second	2 4	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
C	First Second	3 6	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
D	First Second	5 10	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
E	First Second	8 16	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
F	First Second	13 26	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
G	First Second	20 40	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
H	First Second	32 64	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
J	First Second	50 100	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
K	First Second	80 160	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
L	First Second	125 250	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
M	First Second	200 400	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
N	First Second	315 630	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
P	First Second	500 1000	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Q	First Second	800 1600	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
R	First Second	1250 2500	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
S	First Second	2000 4000	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→

→ Use first sampling plan below arrow
 → Use first sampling plan above arrow
 Ac Acceptance number
 Re Rejection number
 * Use corresponding single sampling plan (see, alternatively, available sampling plan below, where available).

**DOUBLE
TIGHTENED**

TABLE III-C—Double sampling plans for reduced inspection (Master table)

(see 4.9.3 and 4.9.4)

Acceptable Quality Levels (alpha and inspection)																								
Sample size	Sample size	Com- plete sample size	0.010	0.015	0.025	0.040	0.05	1.0	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400	650	1000	
A	B	C	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re
D	2	2																						
E	3	3																						
F	4	4																						
G	5	5																						
H	6	6																						
I	7	7																						
J	8	8																						
K	9	9																						
L	10	10																						
M	11	11																						
N	12	12																						
O	13	13																						
P	14	14																						
Q	15	15																						
R	16	16																						
S	17	17																						
T	18	18																						
U	19	19																						
V	20	20																						
W	21	21																						
X	22	22																						
Y	23	23																						
Z	24	24																						
AA	25	25																						
AB	26	26																						
AC	27	27																						
AD	28	28																						
AE	29	29																						
AF	30	30																						
AG	31	31																						
AH	32	32																						
AI	33	33																						
AJ	34	34																						
AK	35	35																						
AL	36	36																						
AM	37	37																						
AN	38	38																						
AO	39	39																						
AP	40	40																						
AQ	41	41																						
AR	42	42																						
AS	43	43																						
AT	44	44																						
AU	45	45																						
AV	46	46																						
AW	47	47																						
AX	48	48																						
AY	49	49																						
AZ	50	50																						
BA	51	51																						
BB	52	52																						
BC	53	53																						
BD	54	54																						
BE	55	55																						
BF	56	56																						
BG	57	57																						
BH	58	58																						
BI	59	59																						
BJ	60	60																						
BK	61	61																						
BL	62	62																						
BM	63	63																						
BN	64	64																						
BO	65	65																						
BP	66	66																						
BQ	67	67																						
BR	68	68																						
BS	69	69																						
BT	70	70																						
BU	71	71																						
BV	72	72																						
BW	73	73																						
BX	74	74																						
BY	75	75																						
BZ	76	76																						
CA	77	77																						
CB	78	78																						
CC	79	79																						
CD	80	80																						
CE	81	81																						
CF	82	82																						
CG	83	83																						
CH	84	84																						
CI	85	85																						
CJ	86	86																						
CK	87	87																						
CL	88	88																						
CM	89	89																						
CN	90	90																						
CO	91	91																						
CP	92	92																						
CQ	93	93																						
CR	94	94																						
CS	95	95																						
CT	96	96																						
CU	97	97																						

- Use first sampling plan for better service. If sample size exceeds an acceptable limit, use 100 percent inspection.
- Use first sampling plan above service.
- Acceptance number.
- Rejection number.
- Use corresponding single sampling plan for characteristics, see double sampling plan below, when available.
- If, after the second sample, the acceptance number has been exceeded, but the rejection number has not been reached, use the double sampling plan.

**DOUBLE
REDUCED**

(see 4.9.3 and 4.9.4)

to the fact standing alone he has even further in consideration of table on following page. When necessary, the DOD personnel inspection.

◆◆◆◆◆

**MULTIPLE
NORMAL**

TABLE IV-A—Multiple sampling plans for normal inspection (Master table)
(Continued)
(see 4.9.3 and 4.9.4)

Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size		Sample size			
-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	--	--

- Use first sampling plot below snow. If sample area extends far beyond the snow line, do (80 percent) frequent sampling.
- Use first sampling plot above snow (with no trees) to guard against sampling error.
- Average number of trees per plot.
- Use corresponding single sampling plot for diameter, use multiple plots below, where available.
- Average are presented in this sample size.

(see 4.9.3 and 4.9.4)

- ☐ Use first sampling plan below (unless instructions of table are followed or otherwise indicated).
- ☐ Use first sampling plan above.
- ☐ Acceptance number.
- ☐ Rejection number.
- ☐ Use corresponding simple sampling plan (as alternative), use multiple sampling plan below, where available).
- ☐ Use corresponding double sampling plan (as alternative), use multiple sampling plan below, where available).
- ☐ Acceptance or rejection at this sample size.

MIL-STD-105E

TABLE IV-B—Multiple sampling plans for tightened inspection (Master table)
 (Continued)

(see 4.9.3 and 4.9.4)

Sample size		Acceptable Quality Levels (tightened inspection)																Sample size	
		0.010	0.025	0.040	0.055	0.075	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10		
A	First	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182	192
	Second	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182	192
	Third	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182	192
	Fourth	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182	192
	Acceptance	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182	192
B	First	50	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350	370	390
	Second	50	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350	370	390
	Third	50	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350	370	390
	Fourth	50	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350	370	390
	Acceptance	50	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350	370	390
C	First	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
	Second	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
	Third	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
	Fourth	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
	Acceptance	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
D	First	125	175	225	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975
	Second	125	175	225	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975
	Third	125	175	225	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975
	Fourth	125	175	225	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975
	Acceptance	125	175	225	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975
E	First	200	275	350	425	500	575	650	725	800	875	950	1025	1100	1175	1250	1325	1400	1475
	Second	200	275	350	425	500	575	650	725	800	875	950	1025	1100	1175	1250	1325	1400	1475
	Third	200	275	350	425	500	575	650	725	800	875	950	1025	1100	1175	1250	1325	1400	1475
	Fourth	200	275	350	425	500	575	650	725	800	875	950	1025	1100	1175	1250	1325	1400	1475
	Acceptance	200	275	350	425	500	575	650	725	800	875	950	1025	1100	1175	1250	1325	1400	1475
F	First	315	425	535	645	755	865	975	1085	1195	1305	1415	1525	1635	1745	1855	1965	2075	2185
	Second	315	425	535	645	755	865	975	1085	1195	1305	1415	1525	1635	1745	1855	1965	2075	2185
	Third	315	425	535	645	755	865	975	1085	1195	1305	1415	1525	1635	1745	1855	1965	2075	2185
	Fourth	315	425	535	645	755	865	975	1085	1195	1305	1415	1525	1635	1745	1855	1965	2075	2185
	Acceptance	315	425	535	645	755	865	975	1085	1195	1305	1415	1525	1635	1745	1855	1965	2075	2185
G	First	500	675	850	1025	1200	1375	1550	1725	1900	2075	2250	2425	2600	2775	2950	3125	3300	3475
	Second	500	675	850	1025	1200	1375	1550	1725	1900	2075	2250	2425	2600	2775	2950	3125	3300	3475
	Third	500	675	850	1025	1200	1375	1550	1725	1900	2075	2250	2425	2600	2775	2950	3125	3300	3475
	Fourth	500	675	850	1025	1200	1375	1550	1725	1900	2075	2250	2425	2600	2775	2950	3125	3300	3475
	Acceptance	500	675	850	1025	1200	1375	1550	1725	1900	2075	2250	2425	2600	2775	2950	3125	3300	3475
H	First	800	1075	1350	1625	1900	2175	2450	2725	3000	3275	3550	3825	4100	4375	4650	4925	5200	5475
	Second	800	1075	1350	1625	1900	2175	2450	2725	3000	3275	3550	3825	4100	4375	4650	4925	5200	5475
	Third	800	1075	1350	1625	1900	2175	2450	2725	3000	3275	3550	3825	4100	4375	4650	4925	5200	5475
	Fourth	800	1075	1350	1625	1900	2175	2450	2725	3000	3275	3550	3825	4100	4375	4650	4925	5200	5475
	Acceptance	800	1075	1350	1625	1900	2175	2450	2725	3000	3275	3550	3825	4100	4375	4650	4925	5200	5475

Use first sampling plan for lot size. If sample size equals or exceeds lot or batch size, do 100 percent inspection.
 Use first sampling plan shown unless lot size is greater than 1000, in which case, use second plan.
 Inspection number.
 Use corresponding single sampling plan for alternative, one multiple sampling plan later, when available.
 Acceptance not permitted at this sample size.

**MULTIPLE
 TIGHTENED**

MIL-STD-105E

TABLE IV-C—Multiple sampling plans for reduced inspection (Master table)

(see 4.9.3 and 4.9.4)

Sample size code letter	Sample size	Com- mitative sample size	Acceptable Quality Levels (reduced inspection) ↓																							
			0.10	0.015	0.025	0.040	0.065	1.0	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400	650	1000			
			Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re		
A			→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
B			→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
C			→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
D			→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
E			→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
F	First Second Third Fourth Fifth Sixth Seventh	2 4 6 8 10 12 14	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
G	First Second Third Fourth Fifth Sixth Seventh	3 5 7 9 11 13 15	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
H	First Second Third Fourth Fifth Sixth Seventh	5 7 9 11 13 15 17	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
I	First Second Third Fourth Fifth Sixth Seventh	7 9 11 13 15 17 19	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
J	First Second Third Fourth Fifth Sixth Seventh	9 11 13 15 17 19 21	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			
K	First Second Third Fourth Fifth Sixth Seventh	11 13 15 17 19 21 23	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→			

- Use first sampling plan below given (refer to continuation of table on following page, when necessary). If sample size equals or exceeds lot or batch size, do 100 percent inspection.
- Use first sampling plan above given.
- Acceptance number
- Rejection number
- Use corresponding single sampling plan for alternativity; use multiple sampling plan below, where available).
- Use corresponding double sampling plan for alternativity; use multiple sampling plan below, where available).
- Acceptance not permitted at this sample size.
- If, after the first sample, the acceptance number has been exceeded, but the rejection number has not been reached, accept the lot for release without inspection (para 4.10.1.4)

MULTIPLE
 REDUCED

MIL-STD-105E

TABLE IV.C—Multiple sampling plans for reduced inspection (Master table)

(Continued)

(see 4.9.3 and 4.9.4)

		Acceptable Quality Levels (induced inspection)																									
		0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400	650	1000
Sample size code letter	Sample size	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re
L	First	→																									
	Second	→																									
	Third	→																									
	Fourth	→																									
	Fifth	→																									
B	First	→																									
	Second	→																									
	Third	→																									
	Fourth	→																									
	Fifth	→																									
H	First	→																									
	Second	→																									
	Third	→																									
	Fourth	→																									
	Fifth	→																									
P	First	→																									
	Second	→																									
	Third	→																									
	Fourth	→																									
	Fifth	→																									
Q	First	→																									
	Second	→																									
	Third	→																									
	Fourth	→																									
	Fifth	→																									
R	First	→																									
	Second	→																									
	Third	→																									
	Fourth	→																									
	Fifth	→																									

The first sampling plan below arrow. If sample also equals, or exceeds, lot size also, do 100 percent inspection.

The first sampling plan above arrow (refer to preceding page when necessary).

Acceptance number

Rejection number

Acceptance and rejection numbers as this sample size.

If, after the final sample, the acceptance number has been exceeded, but the rejection number has not, accept the lot, but initiate annual inspection (see 4.10.4.4)

MULTIPLE
REDUCED

MIL-STD-105E

TABLE V-A — Average Outgoing Quality Limit Factors for Normal Inspection (Single sampling) *

(see 3.3)

Code Letter	Sample Size	Acceptable Quality Level																		
		0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	25	40
A	2															18			42	69
B	3														12			28	46	65
C	5													7.4			17	27	39	63
D	8												4.6				11	24	40	56
E	13											2.8			6.5		15	24	34	50
F	20										1.8				4.2	9.7	16	22	33	47
G	32									1.2										
H	50								0.74											
J	80							0.46												
K	125																			
L	200																			
M	315																			
N	500																			
P	800																			
Q	1250																			
R	2000																			

* Notes: For the exact AOQL, the above values must be multiplied by (1 - $\frac{\text{Sample size}}{\text{Lot or Batch size}}$)

AOQL
 NORMAL

MIL-STD-105E

TABLE V.B—Average Outgoing Quality Limit Factors for Tightened Inspection (Single sampling)*

(see 3.3)

Code letter	Sample size	Acceptable Quality Level																		
		0.010	0.015	0.025	0.040	0.063	0.10	0.15	0.25	0.40	0.63	1.0	1.5	2.5	4.0	6.3	10	15	25	40
A	3																			
B	5																			
C	5																			
D	8																			
E	13																			
F	20																			
G	32																			
H	50																			
I	80																			
J	125																			
K	200																			
L	320																			
M	500																			
N	800																			
O	1250																			
P	2000																			
Q	3150																			

* Note: For the exact AOQL, the above values must be multiplied by $(1 - \frac{\text{Sample size}}{\text{Lot or Batch size}})$ (see 11.4)

**AOQL
TIGHTENED**

MIL-STD-105E

TABLE VI-A—Limiting Quality (in percent defective) for which $P_d = 10$ Percent
(for Normal Inspection, Single sampling)

(see 4.11)

Code letter	Sample size	Acceptable Quality Level										
		0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0
A	2											
B	3											
C	5											
D	8											
E	13											
F	20											
G	32											
H	50											
J	80											
K	125											
L	200											
M	315											
N	500											
P	800											
Q	1250											
R	2000											

LQ (DEFECTIVES)
 10.0%

MIL-STD-105E

TABLE VI-B—Limiting Quality (in defects per hundred units) for which $P_d = 10$ Percent
 (for Normal Inspection, Single sampling)

(see 4.11)

		Acceptable Quality Level																				
Code letter	Sample size	0.010	0.015	0.025	0.040	0.065	1.0	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400	650	1000
A	2										120			200	270	330	460	590	770	1000	1400	1900
B	3								77				130	180	220	310	390	510	670	940	1300	1800
C	5								46			78	110	130	190	240	310	400	540	770	1100	
D	8							29			49	67	84	120	150	190	250	350	480	670		
E	13						18			30	41	51	71	91	120	160	220	300	410			
F	20					12			20	27	33	46	59	77	100	140						
G	32				4.6			12	17	21	29	37	48	63	88							
H	50						7.8	11	13	19	24	31	40	56								
J	80					4.9	6.7	8.4	12	15	19	25	35									
K	125					3.1	4.3	7.4	9.4	12	16	23										
L	200					2.0	2.7	5.9	7.7	10	14											
M	315					1.2	1.7	4.9	6.4	9.0												
N	500																					
P	800																					
Q	1250																					
R	2000																					

MIL-STD-105E

TABLE VII-A—Limiting Quality (in percent defective) for which $P_d = 5$ Percent
 (for Normal Inspection, Single sampling)

(see 4.11)

Code letter	Sample size	Acceptable Quality Level									
		0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65
A	2										
B	3										
C	5										
D	8										
E	13										
F	20										
G	32										
H	50										
J	80										
K	125										
L	200										
M	315										
N	500										
P	800										
Q	1250										
R	2000										

LQ (DEFECTIVES)
 5.0%

MTL-STD-105E

TABLE VII-B—Limiting Quality (in defects per hundred units) for which $P_a = 5$ Percent
 (for Normal Inspection, Single sampling)

(see 4.11)

Code letter	Sample size	Acceptable Quality Level																	
		0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	25
A	2																		
B	3																		
C	5																		
D	8																		
E	13																		
F	20																		
G	32																		
H	50																		
J	80																		
K	125																		
L	200																		
M	315																		
N	500																		
P	800																		
Q	1250																		
H	2000																		

LQ (DEFECTS)
 5%

MIL-STD-105E

TABLE VIII — Limit Numbers for Reduced Inspection

(see 4.7.3)

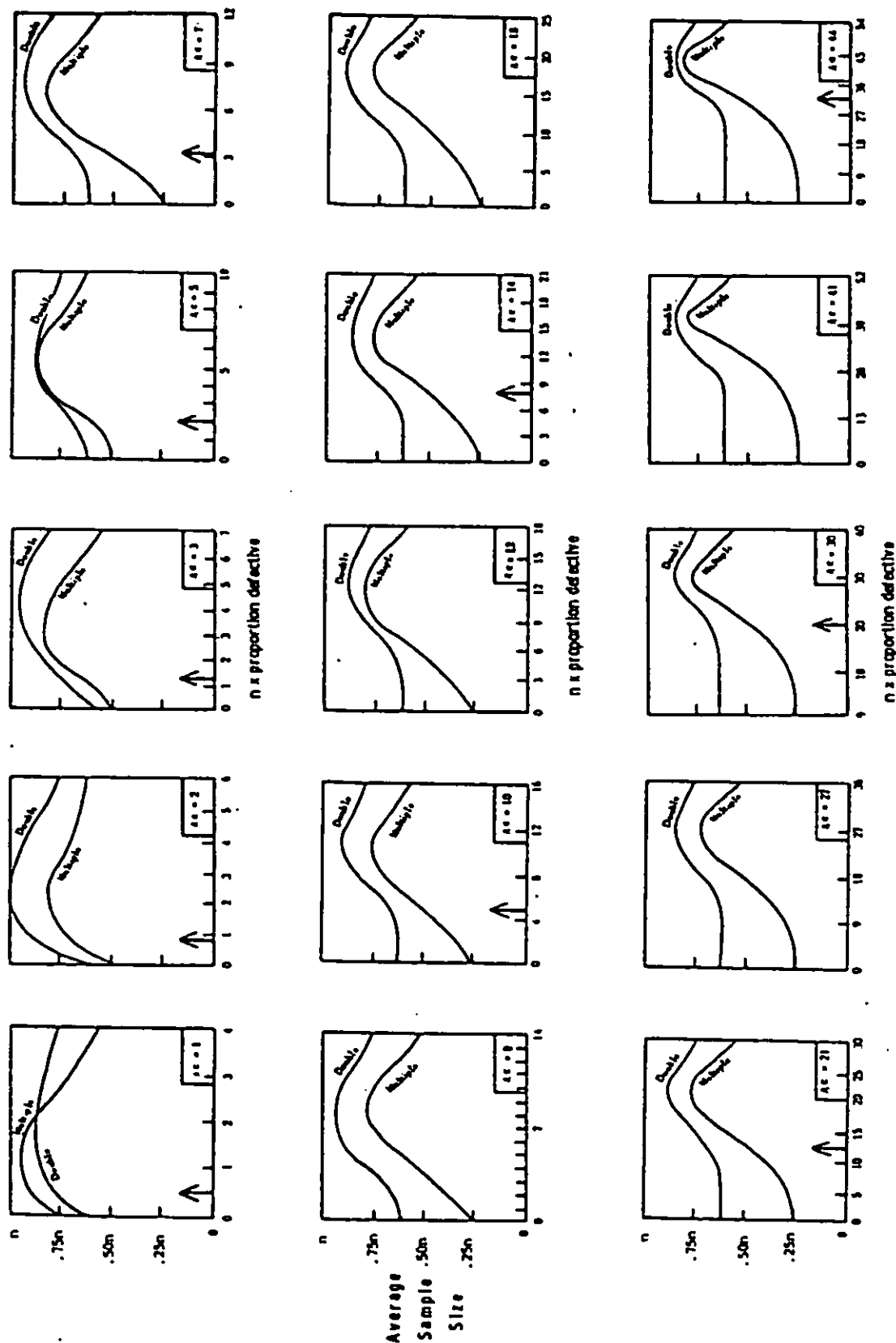
Number of sample units from lot or batches	Acceptable Quality Level																		
	0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	25	40
20 - 29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 - 49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 - 129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 - 199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 - 319	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
320 - 499	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500 - 799	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800 - 1249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1250 - 1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 3149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3150 - 19999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20000 - 31499	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31500 & Over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Decrease the number of sample units from the lot or lots or batches to not sufficient for reduced inspection for this AQL. In this instance more than one lot or batches may be used for the calculation, provided that the lot or batches used are the most recent ones in sequence, that they have all been on normal inspection, and that none has been rejected while on original inspection.

MIL-STD-105E

TABLE IX—Average sample size curves for double and multiple sampling
 (normal and tightened inspection)

(see 4.12.2)



• • • Expected single sample size
 Ac = Single sample acceptance number
 ↑ = AQL for normal inspection

MIL-STD-105E

TABLE X-A—Tables for sample size code letter: A

CHART A - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

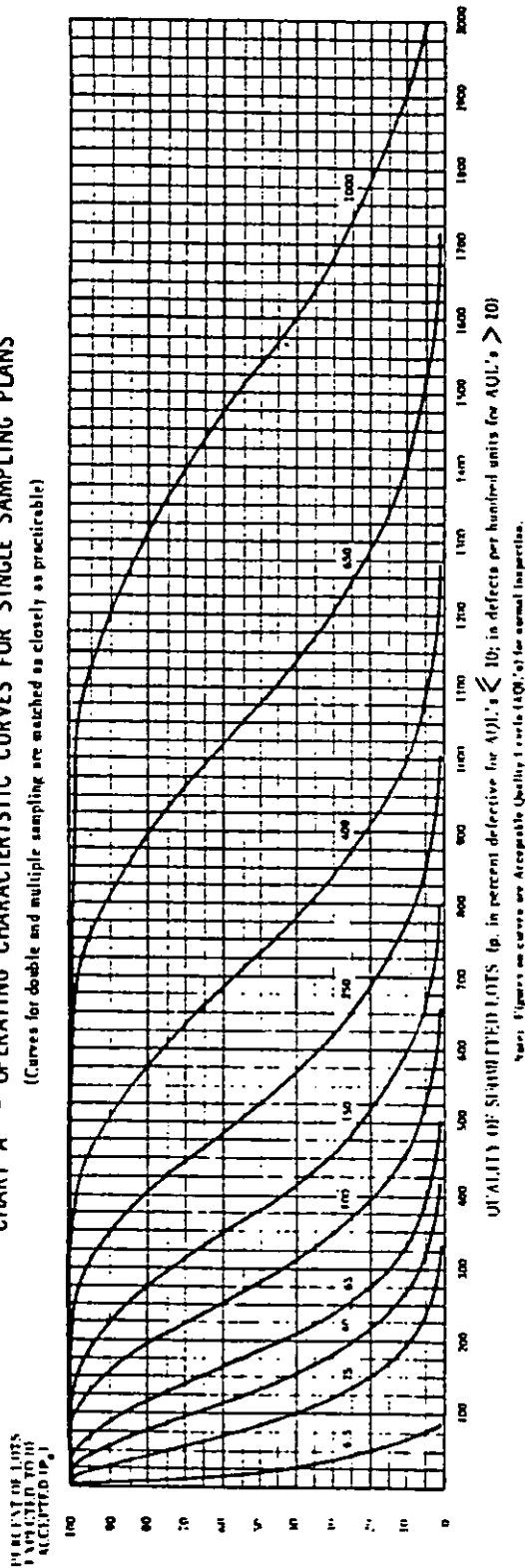


TABLE X-A-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _o	Acceptable Quality Levels (normal inspection)												
	6.5	6.5	25	40	65	100	150	250	400	650	1000	1000	1000
p (in percent defective)													
99.0	0.503	7.41	21.8	41.2	89.3	145	175	239	305	374	517	629	859
95.0	2.56	17.8	40.9	68.3	131	199	235	308	381	462	622	745	995
90.0	5.27	26.6	55.1	87.2	158	233	272	351	432	515	684	812	1073
75.0	14.4	48.1	86.4	127	211	298	342	431	521	612	795	934	1214
50.0	29.3	83.9	134	184	284	383	433	533	633	733	933	1083	1353
25.0	69.3	135	196	253	371	484	540	651	761	870	1087	1248	1568
10.0	88.4	194	266	334	464	569	650	770	889	1006	1238	1409	1748
5.0	91.6	237	315	388	526	657	722	848	972	1094	1335	1512	1862
1.0	97.0	332	420	502	655	800	870	1007	1141	1272	1529	1718	2088
	X	X	40	65	100	150	X	250	X	400	X	650	1000
Acceptable Quality Levels (tightened inspection)													
	X	X	X	X	X	X	X	X	X	X	X	X	X

Note: Binomial distribution used for percent defective comparisons. Entries for defects per hundred units.

MIL-STD-105E

TABLE X-A-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: A

Type of sampling plan	Cumulative sample size	Acceptable Quality Levels (normal inspection)																		Cumulative sample size
		Less than 6.5	6.5	10	15	25	40	65	100	150	250	400	650	1000	1000					
		Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re				
Single	2	▽	0 1			1 2	2 3	3 4	5 6	7 8	9 10	11 12	13 14	15 16	18 19	21 22	27 28	30 31	2	
Double		▽	•	Use code Letter D	Use code Letter C	Use code Letter B	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)		
Multiple		▽	•																	
		Less than 10	X	10	15	25	40	65	100	150	250	400	650	1000	X	1000	X	X		
Acceptable Quality Levels (tightened inspection)																				

- ▽ Use next subsequent sample size code letter for which acceptance and rejection numbers are available.
- Ac = Acceptance number
- Re = Rejection number
- Use single sampling plan above (or alternatively use code letter D).
- (*) Use single sampling (or alternatively use code letter D).

MIL-STD-105E

TABLE X-B—Tables for sample size code letter: B

CHART B - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

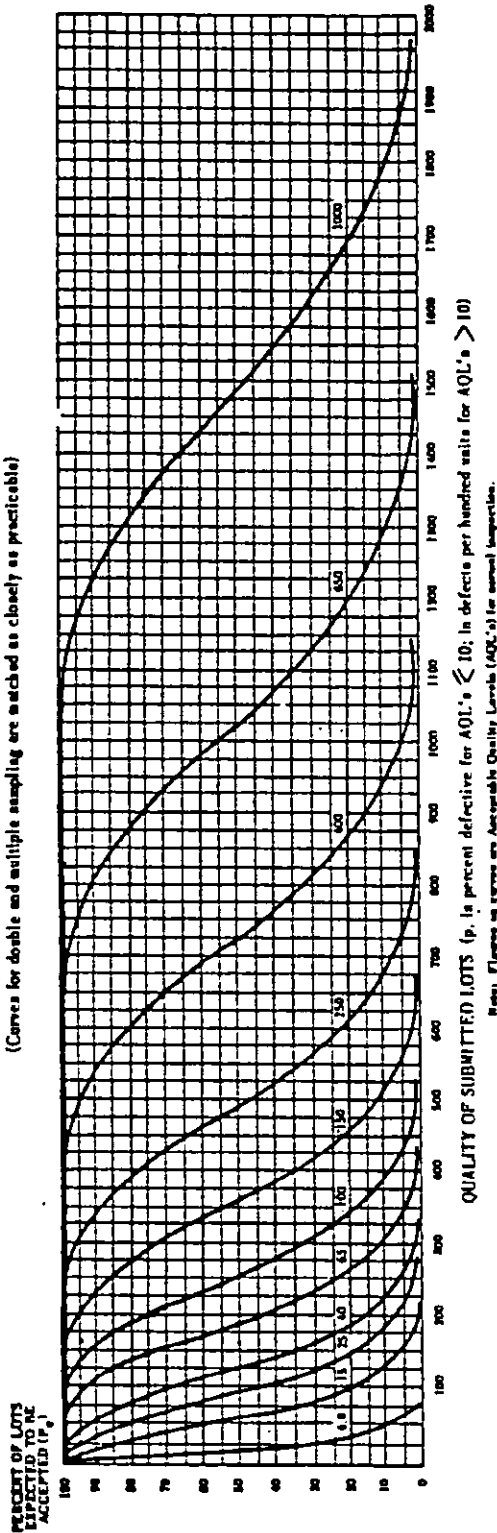


TABLE X-B-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _a	Acceptable Quality Levels (normal inspection)																
	4.0	6.5	10	15	25	40	65	100	150	250	400	650	1000				
	p (in defects per hundred units)																
	p (in percent defective)																
99.0	0.334	0.335	4.97	14.5	27.4	59.5	96.9	117	159	203	249	345	419	572	651	947	1029
95.0	1.70	1.71	11.8	27.3	45.5	87.1	133	157	206	256	308	415	496	663	748	1065	1152
90.0	3.45	3.51	17.7	36.7	58.2	105	155	181	234	288	343	456	541	716	804	1131	1222
75.0	9.14	9.59	32.0	57.6	84.5	141	199	228	287	347	408	530	623	809	903	1249	1344
50.0	20.6	21.1	55.9	89.1	122	189	256	289	356	422	489	622	722	922	1022	1389	1489
25.0	37.0	46.2	89.8	131	170	247	323	360	434	507	580	724	832	1045	1152	1539	1644
10.0	53.6	76.8	130	177	223	309	392	433	514	593	671	825	939	1165	1277	1643	1793
5.0	63.2	99.9	158	210	258	350	438	481	565	648	730	890	1008	1241	1356	1773	1886
1.0	78.5	154	221	280	335	437	533	580	671	761	848	1019	1115	1392	1513	1951	2069
	6.5	6.5	25	40	65	100	150	250	400	650	1000	1500	2500	4000	6500	10000	15000

MIL-STD-105E

▽ = Use next subsequent sample size code letter for which acceptance and rejection numbers are available.

Rejection number

== Use double sampling plan above (or alternatively use code letter D)

1

TABLE X.C—Tables for sample size code letter: C

CHART C - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

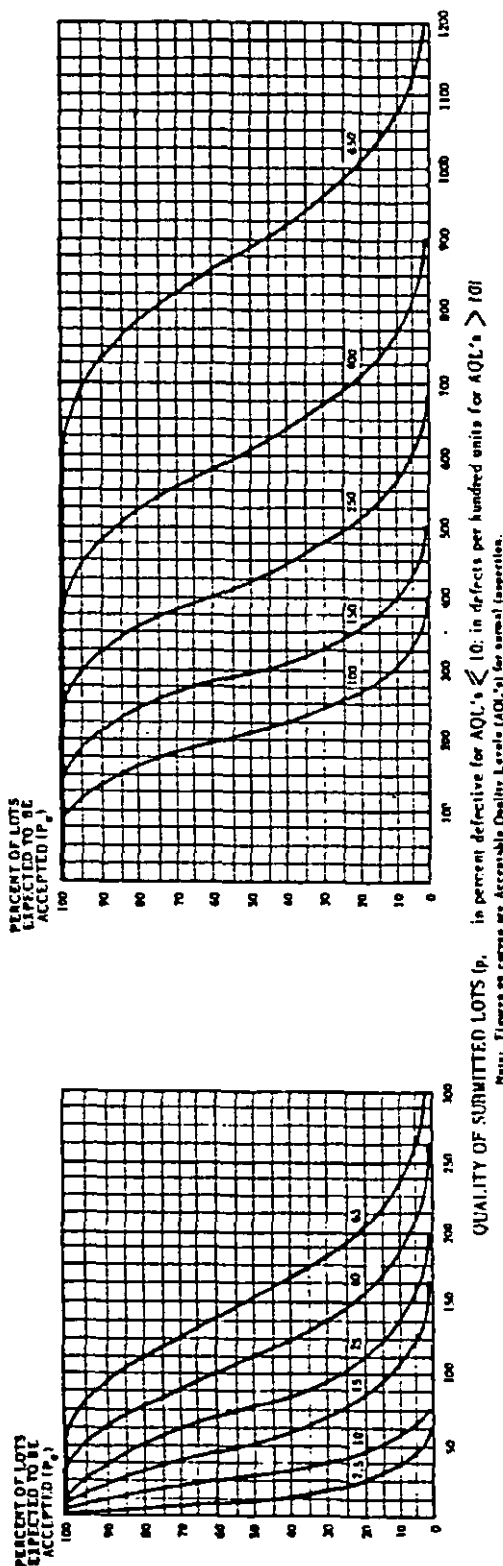


TABLE X-C-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

Acceptable Quality Levels (normal inspection)																		
P _o	2.5	10	2.5	10	15	25	40	65	X	100	X	150	X	250	X	400	X	650
	p (in percent defective)																	
p (in defects per hundred units)																		
99.0	0.201	3.27	0.201	2.97	8.72	16.5	37.5	59.1	70.1	95.4	122	150	207	251	343	391	568	618
95.0	1.02	7.64	1.03	7.11	16.4	27.3	52.3	79.6	93.9	123	154	185	249	298	398	449	639	691
90.0	2.09	11.2	2.11	10.6	22.0	34.9	63.0	93.1	109	140	171	206	273	325	429	482	679	733
75.0	5.59	19.4	5.75	19.2	34.5	50.7	84.4	119	137	172	208	245	318	374	495	542	749	806
50.0	12.9	31.4	13.9	33.6	53.5	73.4	113	153	173	213	253	293	373	433	553	613	833	893
25.0	24.2	45.4	27.7	53.9	78.4	102	148	194	216	260	304	348	435	499	627	691	923	986
10.0	36.9	58.4	46.1	77.8	106	134	185	235	260	308	356	403	495	564	699	766	1010	1076
5.0	45.1	65.7	59.9	94.9	126	155	210	263	289	339	389	438	534	605	745	814	1064	1131
1.0	60.2	77.8	92.1	133	168	201	262	320	348	403	456	509	612	687	835	908	1171	1241
	4.0	X	4.0	15	25	40	65	X	100	X	150	X	250	X	400	X	650	X

Acceptable Quality Levels (tightened inspection)

Note: Binomial distribution used for percent defective computations. Estimates are given to two decimal places.

MIL-STD-105B

TABLE X-C-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: C

Type of sampling plan	Cumulative sample size	Acceptable Quality Levels (lightened inspection)															Cumulative sample size
		Less than 2.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400	650	1000	
Single	5	As ▽	As 0 1	As Use	As Use	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	As 1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 27 28 30 31 41 42 44 45	5	
	3 6	As ▽	As Use	As Use	As Use	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	3 6		
Multiple		As ▽	As Use	As Use	As Use	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31	As 0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 16 15 20 17 22 23 29 25 31		
		Less than 4.0	4.0	6.5	10	15	25	40	65	100	150	250	400	650	1000		

- ▽ Use next subsequent sample size code letter for which acceptance and rejection numbers are available.
- As Acceptance number.
- Re Rejection number.
- Use single sampling plan above (or alternatively use code letter f)
- ++ Use double sampling plan above (or alternatively use code letter D)

TABLE X-D—Tables for sample size code letter: D

CHART D - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

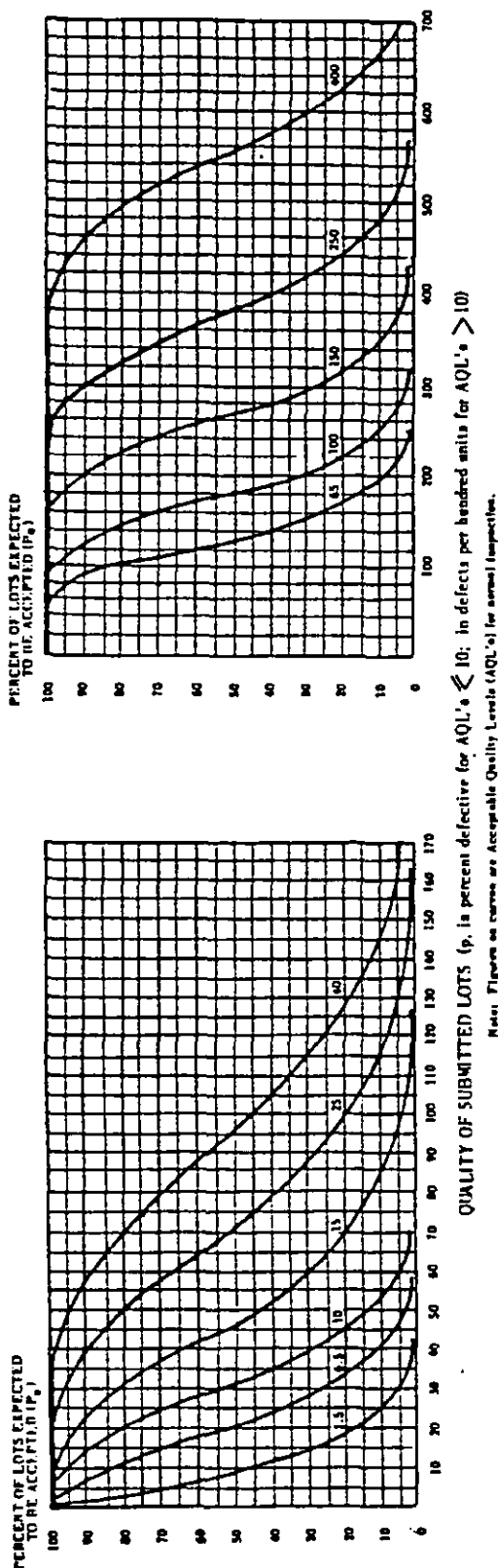


TABLE X-D-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P ₀	Acceptable Quality Levels (normal inspection)														p (in percent defective)	p (in defects per hundred units)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	1.5	6.5	10	1.5	6.5	10	15	25	40	65	100	150	250	400		1.5	6.5	10	15	25	40	65	100	150	250	400																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	p (in defects per hundred units)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
99.0	0.126	1.97	6.08	0.126	1.86	5.45	10.3	22.3	36.3	43.8	59.6	76.2	93.5	129	157	215	244	355	386																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Answer: Billion(s) distributed among the various defective compositions: Fifteen for defective sets.

MIL-STD-105E

TABLE X-D-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: D

Type of sampling plan	Con- lative sample size	Acceptable Quality Levels (normal inspection)																	Con- lative sample size
		Less than 1.5	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400	Higher than 400			
		Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re		
Single	0	▽	0 1				1 2 2	3 3 4	5 6 7	8 8 9	10 10 11	12 13 14	15 18 19	21 22 27	28 30 31	41 42 44	45	△	0
			Use																
Double	5	▽	•				0 2 0	3 1 4	2 5 3	7 3 7	5 9 6	10 7 11	14 16 15	20 17 22	23 29 25	31	△	5	
	10						1 2 3	4 4 5	6 7 8	9 11 12	13 15 16	18 19 23	24 26 27	34 35 37	38 52 53	56 57		10	
Multiple	2	▽	•				• 2 •	2 • 3 •	4 0 4	0 5 0	6 1 7	8 2 9	10 4 12	6 15 6	16	△	2		
	4						• 2 0	3 0 3	1 5 1	6 2 7	3 8 3	9 4 10	6 12 7	14 10 17	11 19 16	25 17 27		4	
	6						0 2 0	3 1 4	2 6 3	8 4 9	6 10 7	12 8 13	11 17 13	19 17 24	19 27 26	36 29 39		6	
	8						0 3 1	4 2 5	3 7 5	10 6 11	8 13 10	15 17 17	16 22 19	25 21 31	27 34 37	46 40 49		8	
	10						1 3 2	4 3 6	5 8 7	11 9 12	11 15 14	17 17 20	22 25 29	32 37 36	40 49 55	53 58		10	
	12						1 3 3	5 4 6	7 9 10	12 14 14	17 18 20	21 23 27	29 31 33	40 43 45	47 61 64	65 68		12	
	14						2 3 4	5 6 7	9 10 13	14 16 15	18 19 21	22 25 26	32 33 37	38 48 49	53 54 72	73 77 78		14	
		Less than 2.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400	Higher than 400				
Acceptable Quality Levels (tightened inspection)																			

△ = Use next preceding sample size code letter for which acceptance and rejection numbers are available.
 ▽ = Use next subsequent sample size code letter for which acceptance and rejection numbers are available.
 Ac = Acceptance number
 Re = Rejection number

• = Use single sampling plan above (or alternatively use code letter G)
 • = Acceptance not permitted at this sample size.

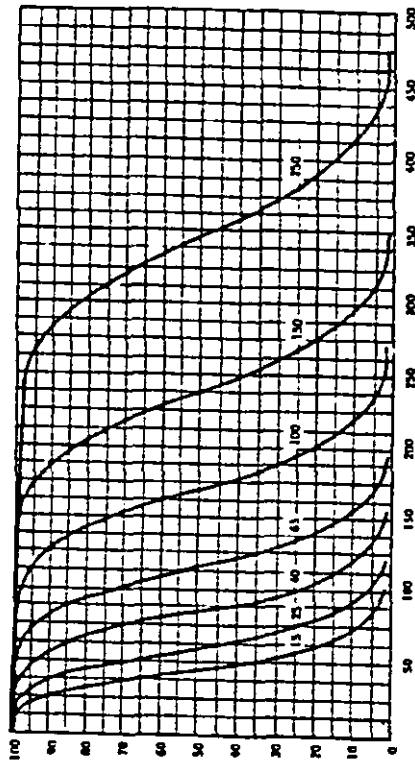
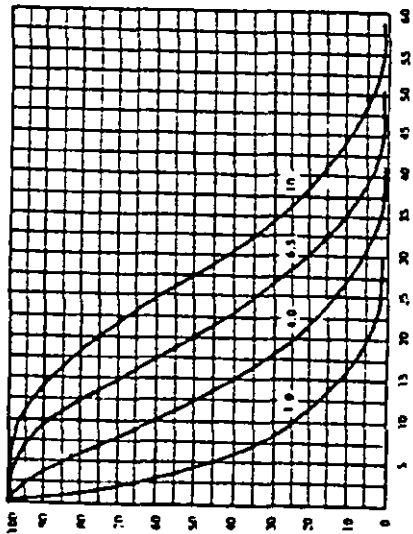
MIL-STD-105E

TABLE X-E—Tables for sample size code letter: E

CHART E - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

PERCENT OF LOTS
 ACCEPTED IN
 INSPECTION



QUALITY OF SUBMITTED LOTS (p, in percent defective for AQL's ≤ 10 ; in defects per hundred units for AQL's > 10)
 Note: Figures on curves are Acceptable Quality Levels (AQL's) for normal inspection.

TABLE X-E-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _o	Acceptable Quality Levels (normal inspection)															Acceptable Quality Levels (tightened inspection)																																		
	p (in percent defective)					p (in defects per hundred units)										p (in percent defective)					p (in defects per hundred units)																													
	1.0	4.0	6.5	10	15	1.0	4.0	6.5	10	15	25	40	65	100	150	250	1.5	6.5	10	15	25	40	65	100	150	250	400	500	1.5	6.5	10	15	25	40	65	100	150	250												
90.0	0.077	1.18	3.58	6.75	11.3	0.077	1.15	3.35	6.33	13.7	22.4	36.7	46.9	57.5	79.6	96.7	0.077	1.15	3.35	6.33	13.7	22.4	36.7	46.9	57.5	79.6	96.7	132	150	219	238	0.077	1.15	3.35	6.33	13.7	22.4	36.7	46.9	57.5	79.6	96.7	132	150	219	238				
95.0	0.394	2.81	6.60	11.3	17.3	0.395	2.73	6.29	10.5	20.1	30.6	36.1	47.5	59.2	71.1	95.7	0.395	2.81	6.60	11.3	17.3	27.8	38.3	49.7	61.1	72.5	95.7	115	173	246	266	0.395	2.81	6.60	11.3	17.3	27.8	38.3	49.7	61.1	72.5	95.7	115	173	246	266				
90.0	0.807	4.17	8.80	14.2	21.0	0.810	4.09	8.48	13.4	24.2	35.8	41.8	54.0	66.5	79.2	105	0.807	4.17	8.80	14.2	21.0	31.5	43.0	54.5	67.0	79.5	105	125	165	261	282	0.807	4.17	8.80	14.2	21.0	31.5	43.0	54.5	67.0	79.5	105	125	165	261	282				
75.0	2.19	7.41	13.4	19.9	28.2	2.21	7.39	13.3	19.5	32.5	45.8	52.6	66.3	80.2	94.1	122	2.19	7.41	13.4	19.5	32.5	45.8	52.6	66.3	80.2	94.1	122	144	187	288	310	2.19	7.41	13.4	19.5	32.5	45.8	52.6	66.3	80.2	94.1	122	144	187	288	310				
50.0	5.19	12.6	20.0	27.5	35.3	5.33	12.9	20.6	28.2	43.6	59.0	66.7	82.1	97.4	113	144	5.19	12.6	20.0	27.5	35.3	43.6	59.0	66.7	82.1	97.4	113	144	167	213	236	344	5.19	12.6	20.0	27.5	35.3	43.6	59.0	66.7	82.1	97.4	113	144	167	213	236	344		
25.0	10.1	19.4	28.0	36.1	44.4	10.7	20.1	30.2	39.3	51.1	74.5	83.1	100	117	134	167	10.1	19.4	28.0	36.1	44.4	51.1	66.7	83.1	100	117	134	167	192	241	266	355	10.1	19.4	28.0	36.1	44.4	51.1	66.7	83.1	100	117	134	167	192	241	266	355		
10.0	16.2	26.8	36.0	44.4	51.1	17.7	29.9	40.9	51.4	71.3	90.5	100	119	137	155	190	16.2	26.8	36.0	44.4	51.1	66.7	83.1	100	119	137	155	190	217	269	295	388	16.2	26.8	36.0	44.4	51.1	66.7	83.1	100	119	137	155	190	217	269	295	388		
5.0	20.6	31.6	41.0	49.5	57.0	23.0	36.5	48.4	59.6	80.9	101	111	130	150	168	205	20.6	31.6	41.0	49.5	57.0	66.7	83.1	100	119	137	155	190	217	269	313	409	20.6	31.6	41.0	49.5	57.0	66.7	83.1	100	119	137	155	190	217	269	313	409		
1.0	29.8	41.3	50.6	58.8	66.7	35.4	51.1	64.7	77.3	101	123	134	155	176	196	235	29.8	41.3	50.6	58.8	66.7	77.3	101	123	134	155	176	196	235	264	349	450	29.8	41.3	50.6	58.8	66.7	77.3	101	123	134	155	176	196	235	264	349	450		
1.5	6.5	10	15	25	40	65	100	150	250	400	650	1000	1500	2500	4000	6500	1.5	6.5	10	15	25	40	65	100	150	250	400	650	1000	1500	2500	4000	6500	1.5	6.5	10	15	25	40	65	100	150	250	400	650	1000	1500	2500	4000	6500

Note: Standard distribution used for percent defective computations. Plots for defects per hundred units.

MIL-STD-105B

TABLE X-E-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: E

Type of sampling plan	Com- plete sample size	Acceptable Quality Levels (normal inspection)																Com- plete sample size
		Less than 1.0	1.0	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	Higher than 250		
		Ac ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc	ReAc ReAc		
Single	13	▽	0 1					1 2 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 21								Δ	13	
	8	▽		Use code Letter	Use code Letter	Use code Letter	0 2 0 3 1 4 2 5 3 7 3 7 5 9 6 10 7 11 9 14 11 14 15 20 17 22 23 29 25 31									Δ	8	
	16						1 2 3 4 4 5 6 7 8 9 11 12 13 15 16 18 19 23 24 26 27 34 35 37 38 52 53 56 57										16	
Multiple	3	▽		D	U	P	0 2 0 2 0 3 0 3 1 5 1 6 2 7 3 8 3 9 4 10 6 12 7 14 10 17 11 19 16 25 17 27									Δ	3	
	6						0 2 0 3 0 3 1 5 1 6 2 7 3 8 3 9 4 10 6 12 7 14 10 17 11 19 16 25 17 27										6	
	9						0 2 0 3 1 4 2 6 3 8 4 9 6 10 7 13 8 13 11 17 13 19 17 24 19 27 26 36 29 39										9	
	12						0 3 1 4 2 5 3 7 5 10 6 11 8 13 10 15 12 17 16 22 19 25 24 31 27 34 37 45 49										12	
	15						1 3 2 4 3 6 5 8 7 11 9 12 11 15 16 17 17 20 22 25 25 29 32 37 36 40 49 55 58										15	
	18						1 3 3 5 4 6 7 9 10 12 12 14 14 17 18 20 21 23 27 29 31 33 40 43 45 47 61 64 68										18	
21						2 3 4 5 6 7 9 10 13 14 16 15 18 19 21 22 25 26 32 33 37 38 48 49 53 54 72 73 77 78										21		
		Less than 1.5	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	Higher than 250			
Acceptable Quality Levels (tightened inspection)																		

- △ - Use next preceding sample size code letter for which acceptance and rejection numbers are available.
- ▽ - Use next subsequent sample size code letter for which acceptance and rejection numbers are available.
- Ac - Acceptance number.
- Re - Rejection number.
- - Use single sampling plan above (or alternatively use code letter M)
- - Acceptance not permitted at this sample size.

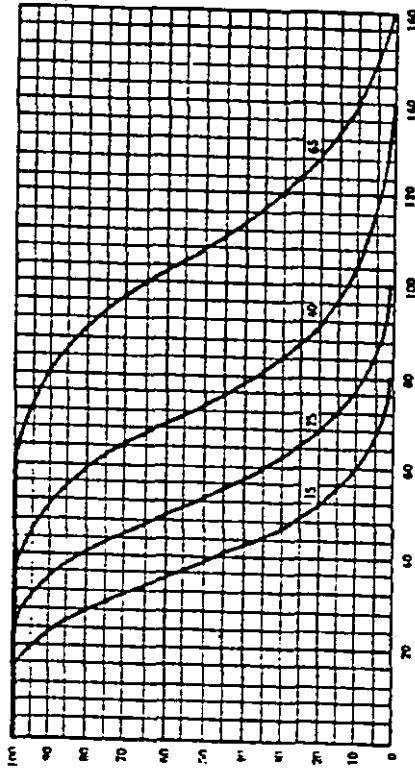
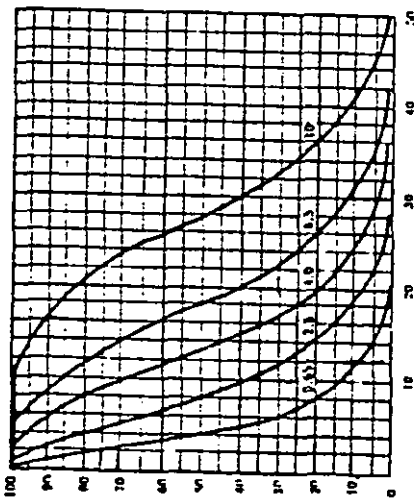
MIL-STD-105E

TABLE X-F—Tables for sample size code letter: F

CHART F - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

PERCENT OF LOTS
 EXPECTED TO BE
 ACCEPTED (P_a)



QUALITY (IN QUANTITIES LISTS) (p, in percent defective for AQL's ≤ 10 ; in defects per hundred units for AQL's > 10)
 Note: Figures on curves are Acceptable Quality Levels (AQL's) for normal inspection.

TABLE X-F-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _a	Acceptable Quality Levels (normal inspection)												
	p (in percent defective)						p (in defects per hundred units)						
	0.65	2.5	4.0	6.5	10	15	20	25	30	35	40	45	50
99.0	0.0502	0.759	2.27	4.38	9.75	17.5	23.9	30.5	37.4	44.2	51.7	59.3	66.9
95.0	0.256	1.81	4.22	7.14	14.0	19.9	23.5	30.8	38.4	46.2	54.2	62.2	70.5
90.0	0.525	2.69	5.64	9.03	16.6	23.3	27.2	35.1	43.2	51.5	60.4	69.4	78.2
75.0	1.43	4.81	8.70	12.8	21.6	29.8	34.2	43.1	52.1	61.2	70.5	79.5	88.4
50.0	3.41	8.25	13.1	18.1	27.9	38.3	43.3	53.3	63.3	73.3	83.3	93.3	103
25.0	6.70	12.9	18.7	24.2	34.8	44.4	54.0	65.1	76.1	87.0	97.9	108	119
10.0	10.9	18.1	24.5	30.4	41.5	50.9	60.0	70.0	80.9	91.8	102	113	124
5.0	13.9	21.6	28.3	34.4	45.6	55.7	65.7	76.2	86.9	97.2	108	119	130
1.0	20.6	28.9	35.8	42.1	53.2	65.5	77.0	88.9	101	114	127	140	153
0.1	1.0	4.0	6.5	10	15	20	25	30	35	40	45	50	55

Acceptable Quality Levels (tightened inspection)

Note: Binomial distribution used for percent defective comparisons; Poisson for defects per hundred units.

MIL-STD-105E

TABLE X-F-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: F

Type of sampling plan	Consecutive sample size	Acceptable Quality Levels (normal inspection)																								Com- letter sample size						
		Less than 0.65	0.65		1.0		1.5		2.5		4.0		6.5		10		15		25		40		65		Higher than 65							
			Ac	Re	He	Ac	Re	He	Ac	Re	He	Ac	Re	He	Ac	Re	He	Ac	Re	He	Ac	Re	He	Ac			Re	He				
Single	20	▽	0	1						1	2	2	3	4	5	6	7	8	8	9	10	11	12	13	14	15	18	19	21	22	△	20
	13	▽	.							0	2	0	3	1	4	2	5	3	7	3	5	9	6	10	7	11	9	14	11	16	△	13
Double	26	▽	.							1	2	3	4	4	5	6	7	8	9	11	12	12	13	15	16	18	19	23	24	26	27	26
	5	▽	.							.	2	.	2	.	3	.	4	0	4	0	4	0	5	0	6	1	7	1	8	2	9	△
Multiple	10									.	2	0	3	0	3	1	5	1	6	2	7	3	8	3	9	4	10	6	12	7	14	10
	15									0	2	0	3	1	4	2	6	3	8	4	9	6	10	7	12	8	13	11	17	13	19	15
	20									0	3	1	4	2	5	3	7	5	10	6	11	8	13	10	15	12	17	16	22	19	25	20
	25									1	3	2	4	3	6	5	8	7	11	9	12	11	15	14	17	17	20	22	25	25	29	25
	30									1	3	3	5	4	6	7	9	10	12	12	14	14	16	18	20	21	23	27	29	31	33	30
	35									2	3	4	5	6	7	9	10	13	14	14	15	16	19	21	22	25	26	32	33	37	38	35
		Less than 1.0	1.0	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400	650	1000	1500	2500	4000	6500	10000	15000	25000	40000	65000	100000	150000	200000	Higher than 65	
Acceptable Quality Levels (tightened inspection)																																

△ = Use next preceding sample size code letter for which acceptance and rejection numbers are available.
 ▽ = Use next subsequent sample size code letter for which acceptance and rejection numbers are available.

Ac = Acceptance number
 He = Rejection number
 . = Use single sampling plan above (or alternatively use code letter J)
 . = Acceptance not permitted at this sample size.

TABLE X-G—Tables for sample size code letter: G

CHART C - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

are matched as closely as practicable)

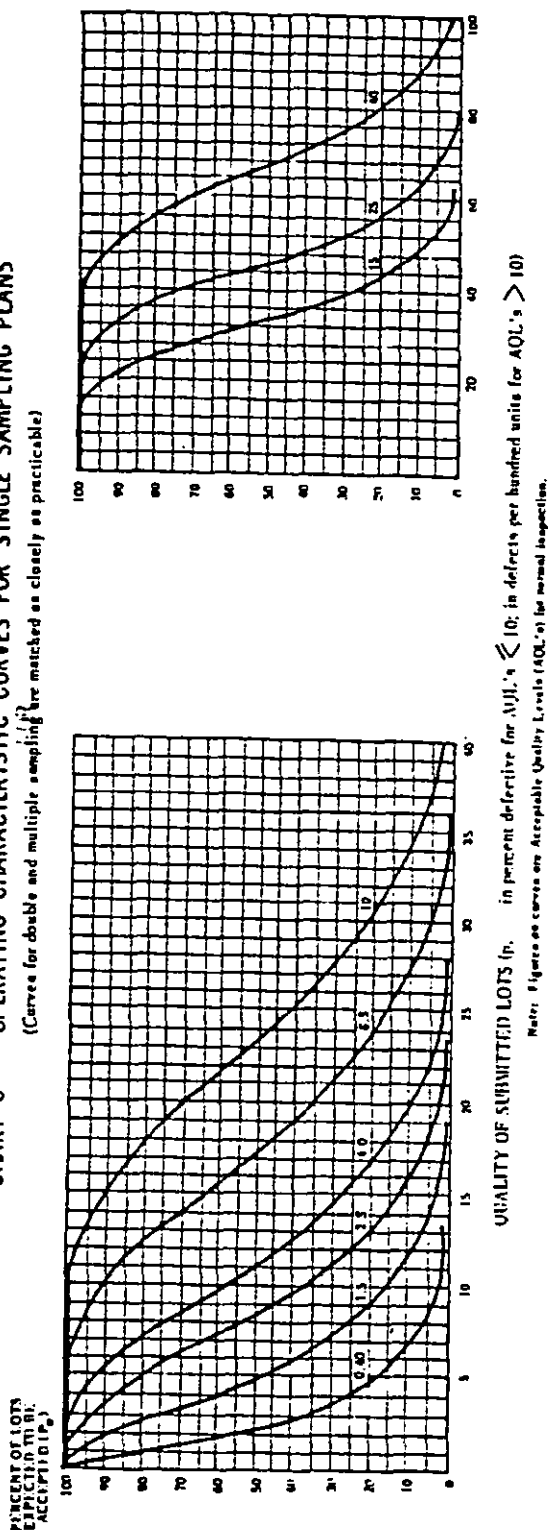


TABLE X-G-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _c	Acceptable Quality Levels (normal inspection)																	
	p (in percent defective)						p (in defects per hundred units)											
	0.40	1.5	2.5	4.0	6.5	10	0.40	1.5	2.5	4.0	6.5	10	15	25	40			
99.0	0.0314	0.471	1.40	2.67	5.88	9.73	0.0314	0.464	1.36	2.57	5.58	9.08	11.0	14.9	19.1	23.4	32.3	39.3
95.0	0.160	1.12	2.60	4.38	8.50	13.1	0.160	1.11	2.56	4.27	8.17	12.4	14.7	19.3	24.0	28.9	38.9	46.5
90.0	0.329	1.67	3.49	5.56	10.2	15.1	0.329	1.66	3.44	5.45	9.85	14.6	17.0	21.9	27.0	32.2	42.7	50.8
75.0	0.895	3.01	5.42	7.98	13.4	19.0	0.899	3.00	5.40	7.92	13.2	18.6	21.4	26.9	32.6	38.2	49.7	58.4
50.0	2.14	5.19	8.27	11.4	17.5	23.7	2.17	5.24	8.38	11.5	17.7	24.0	27.1	33.3	39.6	45.8	58.3	67.7
25.0	4.24	8.19	11.9	15.4	22.3	29.0	4.33	8.41	12.3	16.0	23.2	30.3	33.8	40.7	47.6	54.4	67.9	78.0
10.0	6.94	11.6	15.8	19.7	27.1	34.1	7.20	12.2	16.6	20.9	29.0	36.8	40.6	48.1	55.6	62.9	77.4	88.1
5.0	8.94	14.0	18.4	22.5	30.1	37.2	9.36	14.8	19.7	24.2	32.9	41.1	45.1	53.0	60.8	68.4	83.4	94.5
1.0	13.4	19.0	23.8	28.1	36.0	43.2	14.4	20.7	26.3	31.4	41.0	50.0	54.4	63.0	71.3	79.5	95.6	107
	0.65	2.5	4.0	6.5	10	15	0.65	2.5	4.0	6.5	10	15	25	40	60	80	100	120

Acceptable Quality Levels (tightened inspection)															
	0.65	2.5	4.0	6.5	10	15	25	40	60	80	100	120	150	200	250
	0.65	2.5	4.0	6.5	10	15	25	40	60	80	100	120	150	200	250

Notes: Statistical distributions used for percent defective comparisons of Problems for Adults and Secondary males.

MIL-STD-105E

TABLE X-G-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: G

Type of sampling plan	Cumulative sample size	Acceptable Quality Levels (normal inspection)																																Cumulative sample size
		Less than 0.40		0.40		0.65		1.0		1.5		2.5		4.0		6.5		10		15		25		40		Higher than 40								
		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re					
		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re					
Single	32	▽	0	1																									32					
	20	▽																											20					
Double	40																												40					
	8	▽																											8					
Multiple	16																												16					
	24																												24					
	32																												32					
	40																												40					
	48																												48					
56																												56						
		Less than 0.65		0.65		1.0		1.5		2.5		4.0		6.5		10		15		25		40		Higher than 40										
		X		X		X		X		X		X		X		X		X		X		X		X		X		X						

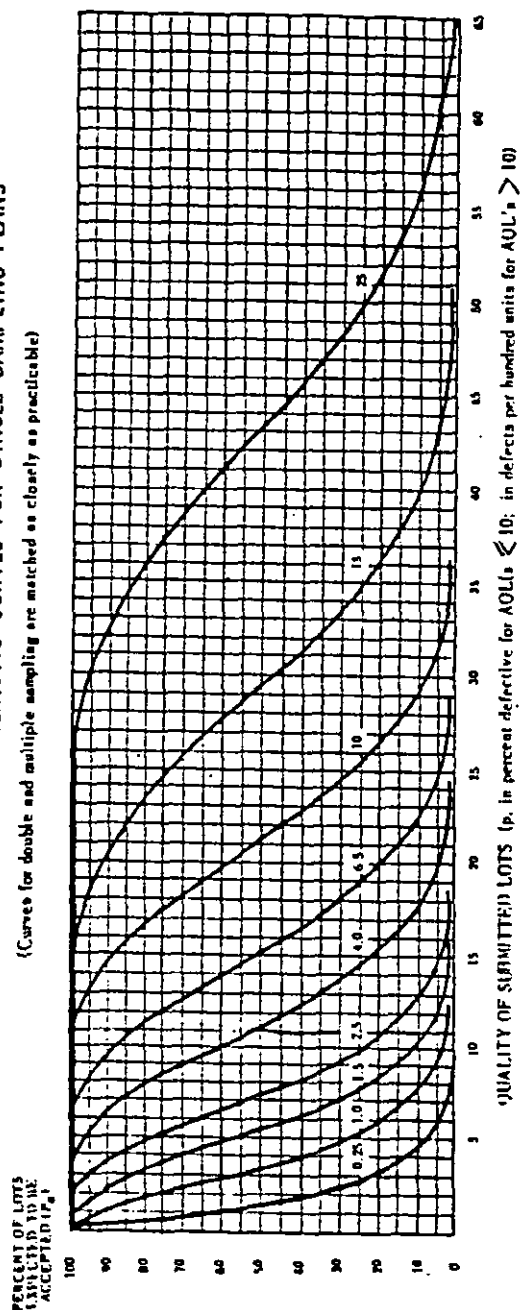
Acceptable Quality Levels (tightened inspection)

- △ Use next preceding sample size code letter for which acceptance and rejection numbers are available.
- ▽ Use next subsequent sample size code letter for which acceptance and rejection numbers are available.
- Ac Acceptance number.
- Re Rejection number.
- Use single sampling plan above (or alternatively use code letter H)
- Acceptance not permitted at this sample size.

TABLE X-H—Tables for sample size code letter: H

CHART H - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

Curves for double and multiple sampling are matched as closely as practicable)



Note: Figures on curves are Acceptable Quality Levels (AQL's) for normal inspection.

TABLE X-11-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _e	Acceptable Quality Levels (normal inspection)																			
	0.25	1.0	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400					
	p (in percent defective)																			
	0.020	0.300	0.806	1.68	3.69	6.07	7.36	10.1	0.020	0.297	0.872	1.65	3.57	5.81	7.01	9.54	12.2	15.0	20.7	25.1
99.0																				
95.0	0.103	0.715	1.66	2.78	5.36	8.22	9.72	12.9	0.103	0.711	1.64	2.73	5.23	7.96	9.39	12.3	15.4	18.5	24.9	29.8
90.0	0.210	1.07	2.22	3.53	6.43	9.54	11.2	14.5	0.211	1.06	2.20	3.49	6.30	9.31	10.9	14.0	17.3	20.6	27.3	32.5
75.0	0.574	1.92	3.46	5.10	8.51	12.0	13.8	17.5	0.575	1.92	3.45	5.07	8.44	11.9	13.7	17.2	20.8	24.5	31.8	37.4
50.0	1.38	3.33	5.31	7.29	11.3	15.2	17.2	21.2	1.39	3.36	5.35	7.34	11.3	15.3	17.3	21.3	25.3	29.3	37.3	43.3
25.0	2.73	5.29	7.69	10.0	14.5	18.8	21.0	25.2	2.77	5.39	7.84	10.2	14.8	19.4	21.6	26.0	30.4	34.8	43.5	49.9
10.0	4.50	7.56	10.3	12.9	17.8	22.4	24.7	29.1	4.61	7.78	10.6	13.4	18.5	23.5	26.0	30.8	35.6	40.3	49.5	56.4
5.0	5.82	9.14	12.1	14.8	19.9	24.7	27.0	31.6	5.99	9.49	12.6	15.5	21.0	26.3	28.9	33.9	38.9	43.8	53.4	60.5
1.0	8.00	12.6	15.8	18.7	24.2	29.2	31.7	36.3	9.21	13.3	16.8	20.1	26.2	32.0	34.8	40.3	45.6	50.9	61.2	68.7
	0.40	1.5	2.5	4.0	6.5	10	15	20	0.40	1.5	2.5	4.0	6.5	10	15	20	25	30	35	40

Acceptable Quality Levels (tightened inspection)																				
	0.020	0.300	0.806	1.68	3.69	6.07	7.36	10.1	0.020	0.297	0.872	1.65	3.57	5.81	7.01	9.54	12.2	15.0	20.7	25.1
99.0																				
95.0	0.103	0.715	1.66	2.78	5.36	8.22	9.72	12.9	0.103	0.711	1.64	2.73	5.23	7.96	9.39	12.3	15.4	18.5	24.9	29.8
90.0	0.210	1.07	2.22	3.53	6.43	9.54	11.2	14.5	0.211	1.06	2.20	3.49	6.30	9.31	10.9	14.0	17.3	20.6	27.3	32.5
75.0	0.574	1.92	3.46	5.10	8.51	12.0	13.8	17.5	0.575	1.92	3.45	5.07	8.44	11.9	13.7	17.2	20.8	24.5	31.8	37.4
50.0	1.38	3.33	5.31	7.29	11.3	15.2	17.2	21.2	1.39	3.36	5.35	7.34	11.3	15.3	17.3	21.3	25.3	29.3	37.3	43.3
25.0	2.73	5.29	7.69	10.0	14.5	18.8	21.0	25.2	2.77	5.39	7.84	10.2	14.8	19.4	21.6	26.0	30.4	34.8	43.5	49.9
10.0	4.50	7.56	10.3	12.9	17.8	22.4	24.7	29.1	4.61	7.78	10.6	13.4	18.5	23.5	26.0	30.8	35.6	40.3	49.5	56.4
5.0	5.82	9.14	12.1	14.8	19.9	24.7	27.0	31.6	5.99	9.49	12.6	15.5	21.0	26.3	28.9	33.9	38.9	43.8	53.4	60.5
1.0	8.00	12.6	15.8	18.7	24.2	29.2	31.7	36.3	9.21	13.3	16.8	20.1	26.2	32.0	34.8	40.3	45.6	50.9	61.2	68.7
	0.40	1.5	2.5	4.0	6.5	10	15	20	0.40	1.5	2.5	4.0	6.5	10	15	20	25	30	35	40

Note: Binomial distribution used for percent defective computations; Poissons for defects per hundred units.

MIL-STD-105E

TABLE X-H-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: H

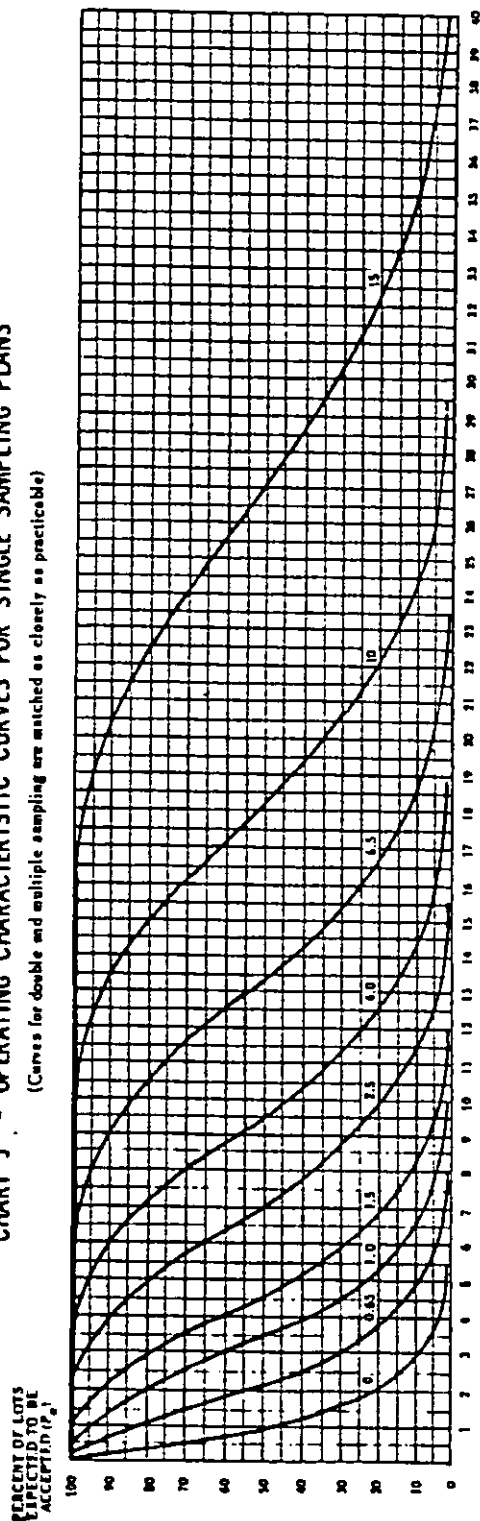
Type of sampling plan	Cumulative sample size	Acceptable Quality Levels (normal inspection)																												Cumulative sample size				
		Less than 0.25	0.25		0.40		0.65		1.0		1.5		2.5		4.0		6.5		10		15		25		Higher than 25									
			Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re						
																													Ac		Re	Ac	Re	Ac
Single	50	▽	0	1					1	2	2	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	△	50
Double	32	▽	•						0	2	0	3	1	4	2	5	3	7	3	7	5	9	6	10	7	11	9	14	11	16	△	32		
	64								1	2	3	4	4	5	6	7	8	9	11	12	12	13	15	16	18	19	23	24	26	27		64		
Multiple	13	▽	•						•	2	•	2	•	3	•	4	0	4	0	4	0	5	0	6	1	7	1	8	2	9	△	13		
	26								•	2	0	3	0	3	1	5	1	6	2	7	3	8	3	9	4	10	6	12	7	14		26		
	39								0	2	0	3	1	4	2	6	3	8	4	9	6	10	7	12	8	13	11	17	13	19		39		
	52								0	3	1	4	2	5	3	7	5	10	6	11	8	13	10	15	12	17	16	22	19	25		52		
	65								1	3	2	4	3	6	5	8	7	11	9	12	11	15	14	17	20	22	25	25	29		65			
	78								1	3	3	5	4	6	7	9	10	12	14	14	17	18	20	21	23	27	29	31	33		78			
	91							2	3	4	5	6	7	9	10	13	14	16	15	18	19	21	22	25	26	32	33	37	38		91			
		Less than 0.40	0.40		0.65	1.0		1.5	2.5	4.0	6.5		10		15		25		35		45		55		65		75		85	Higher than 25				
Acceptable Quality Levels (tightened inspection)																																		

- △ = Use next preceding sample size code letter for which acceptance and rejection numbers are available.
- ▽ = Use next subsequent sample size code letter for which acceptance and rejection numbers are available.
- Ac = Acceptance number
- Re = Rejection number
- = Use single sampling plan above (or alternatively use code letter L)
- = Acceptance not permitted at this sample size

TABLE X-J—Tables for sample size code letter: J

CHART J - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)



QUALITY OF SUBMITTED LOTS (p, in percent defective for AQL's ≤ 10 ; in defects per hundred units for AQL's > 10)

TABLE X-J-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _a	Acceptable Quality Levels (normal inspection)																					
	p (in percent defective)										p (in defects per hundred units)											
	0.15	0.65	1.0	1.5	2.5	4.0	6.5	10	0.15	0.65	1.0	1.5	2.5	4.0	6.5	10						
99.0	0.0126	0.187	0.550	1.04	2.28	3.73	4.51	6.17	7.88	9.76	0.0126	0.186	0.545	1.03	2.23	3.63	4.38	5.96	7.62	9.35	12.9	15.7
95.0	0.0641	0.446	1.03	1.73	3.32	5.07	6.00	7.93	9.89	11.9	0.0641	0.444	1.02	1.71	3.27	4.98	5.87	7.71	9.61	11.6	15.6	18.6
90.0	0.132	0.667	1.39	2.20	3.99	5.91	6.90	8.95	11.0	13.2	0.132	0.665	1.38	2.18	3.94	5.02	6.79	8.78	10.8	12.9	17.1	20.3
75.0	0.359	1.201	2.16	3.16	5.30	7.50	8.61	10.9	13.2	15.5	0.360	1.20	2.16	3.17	5.27	7.45	8.55	10.8	13.0	15.3	19.9	23.4
50.0	0.863	2.09	3.33	4.57	7.06	9.55	10.8	13.3	15.8	18.3	0.866	2.10	3.34	4.59	7.09	9.59	10.8	13.3	15.8	18.3	23.3	27.1
25.0	1.72	3.33	4.84	6.30	9.14	11.9	13.3	16.0	18.6	21.3	1.73	3.37	4.90	6.39	9.28	12.1	13.5	16.3	19.0	21.7	27.2	31.2
10.0	2.84	4.78	6.52	8.16	11.3	14.3	15.7	18.6	21.4	24.2	2.88	4.86	6.65	8.35	11.6	14.7	16.2	19.3	22.2	25.2	30.9	35.2
5.0	3.68	5.79	7.66	9.41	12.7	15.8	17.3	20.3	23.2	26.0	3.74	5.93	7.87	9.69	13.1	16.4	18.0	21.2	24.3	27.4	33.4	37.8
1.0	5.59	8.01	10.1	12.0	15.6	18.9	20.5	23.6	26.6	29.5	5.76	8.30	10.5	12.6	16.4	20.0	21.8	25.2	28.5	31.8	38.2	42.9
	0.25	1.0	1.5	2.5	4.0	6.5	10	15	20	25	0.25	1.0	1.5	2.5	4.0	6.5	10	15	20	25	30	35

Acceptable Quality Levels (tightened inspection)																						

Note: Binomial distribution used for percent defective computations; Poisson for defects per hundred units.

MIL-STD-105B

TABLE X-J-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: J

Type of sampling plan	Consecutive sample size	Acceptable Quality Levels (normal inspection)																				Consecutive sample size								
		Less than 0.15	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	Higher than 15																
														Ac	Re	Ac	Re	Ac	Re	Ac	Re		Ac	Re	Ac	Re	Ac	Re		
																													Ac	Re
Single	80	▽	0	1			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	△	80
	50	▽	.		Use code Letter	0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27	△	50
Double	100				Use code Letter	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27		100
	20	▽	.		Use code Letter	0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27	△	20
Multiple	40					0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27		40
	60					0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27		60
	80					0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27		80
	100					0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27		100
	120					0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27		120
	140					0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27		140
	160					0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	27		160
		Less than 0.25	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	Higher than 15																	
Acceptable Quality Levels (tightened inspection)																														

- △ Use next preceding sample size code letter for which acceptance and rejection numbers are available.
- ▽ Use next subsequent sample size code letter for which acceptance and rejection numbers are available.
- Ac Acceptance number
- Re Rejection number
- .
- 0 Use single sampling plan above (or alternatively use code letter H)
- 1 Acceptance not permitted at this sample size.

MIL-STD-105E

TABLE X-K—Tables for sample size code letter: K

CHART K - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

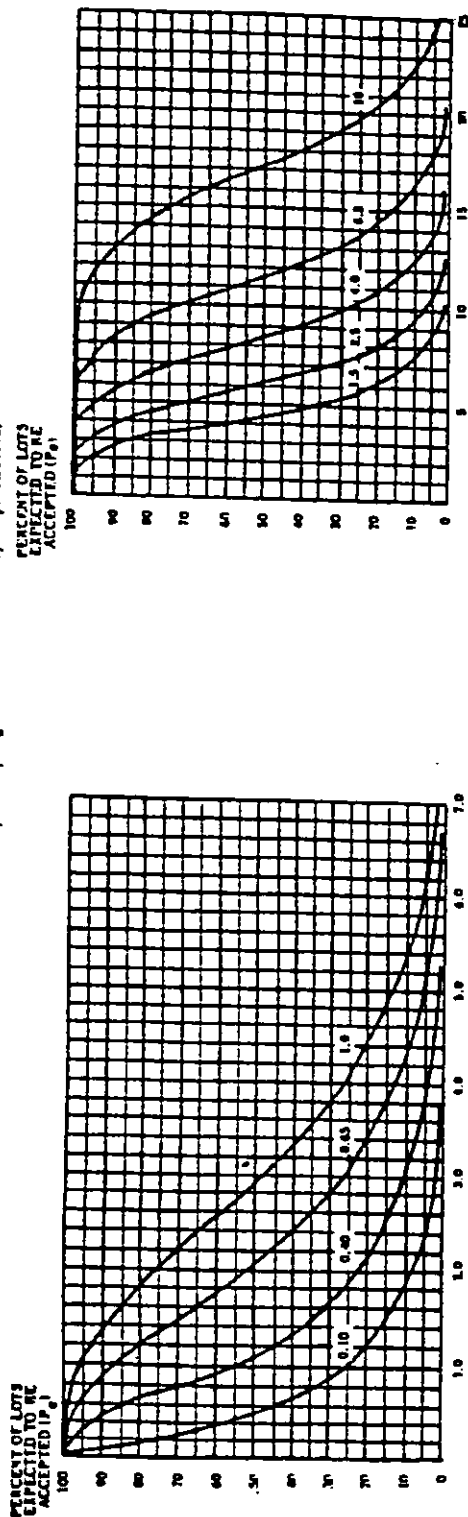


CHART K - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS (Curves for double and multiple sampling are matched as closely as practicable)

TABLE X-K-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _a	Acceptable Quality Levels (normal inspection)									
	0.10	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	10
	p (in percent defective or defects per hundred units)									
99.0	0.00004	0.119	0.349	0.659	1.43	2.32	2.81	3.82	4.88	5.98
95.0	0.0410	0.284	0.654	1.09	2.09	3.18	3.76	4.94	6.15	7.40
90.0	0.0843	0.425	0.882	1.40	2.52	3.72	4.35	5.62	6.92	8.24
75.0	0.230	0.769	1.382	2.03	3.38	4.76	5.47	6.90	8.34	9.79
50.0	0.555	1.34	2.14	2.94	4.54	6.14	6.94	8.53	10.1	11.7
25.0	1.11	2.15	3.14	4.09	5.94	7.75	8.64	10.4	12.2	13.9
10.0	1.84	3.11	4.26	5.34	7.42	9.42	10.4	12.3	14.2	16.1
5.0	2.40	3.80	5.04	6.20	8.41	10.5	11.5	13.6	15.6	17.5
1.0	3.68	5.31	6.72	8.04	10.5	12.8	18.3	16.1	18.3	20.4
0.15	0.63	1.0	1.5	2.5	4.0	6.5	10	10	10	10

Note: All values given in above table based on Poisson distribution as an approximation to the Binomial.

MIL-STD-105E

TABLE X-K-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: K

Type of sampling plan	Comm- lative sample size	Acceptable Quality Levels (normal inspection)																								Comm- lative sample size																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		Less than 0.10	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	Higher than 10	Acceptable Quality Levels (tightened inspection)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
															Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac		Re	Ac	Re	Ac	Re	Ac	Re																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Single	125	▽	0	1																								△																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

- △ Use next preceding sample size code letter for which acceptance and rejection numbers are available.
- ▽ Use next subsequent sample size code letter for which acceptance and rejection numbers are available.
- Ac Acceptance number
- Re Rejection number
- .
- Use single sampling plan above (or alternatively use code letter n)
- Acceptance not permitted at this sample size.

K

MIL-STD-105E

TABLE X-L—Tables for sample size code letter: L

CHART L - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

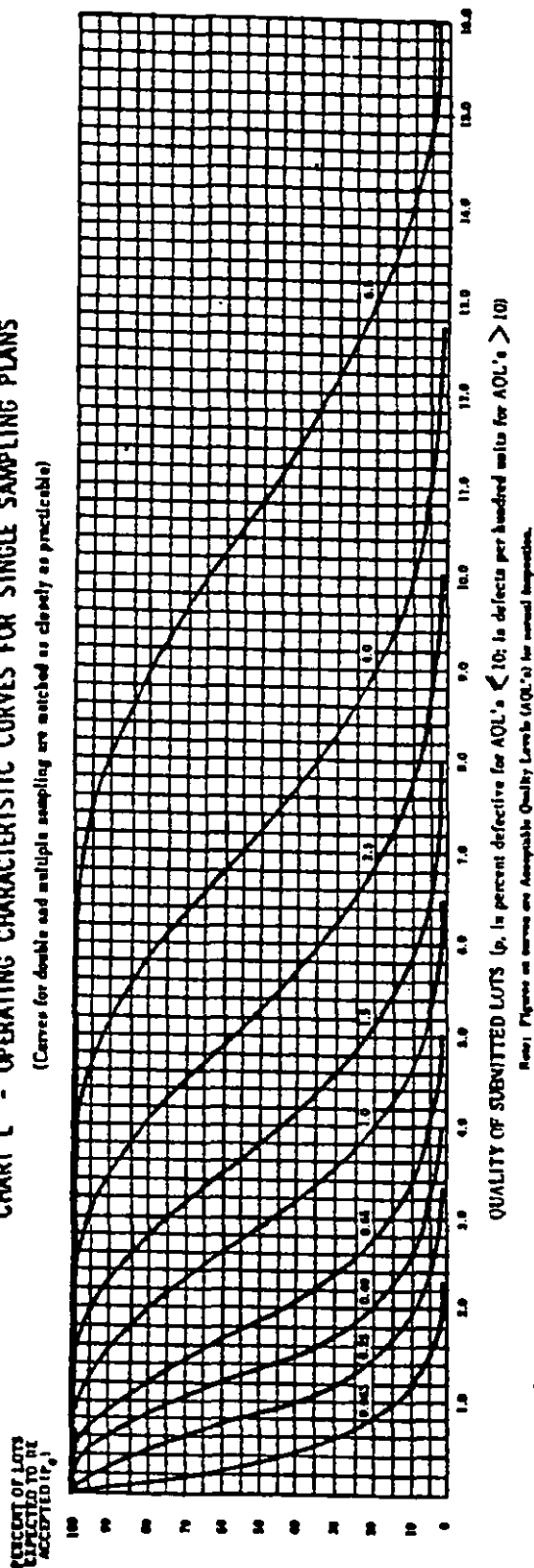


TABLE X-L-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _a	Acceptable Quality Levels (normal inspection)											
	0.065	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10.0	13.0	14.0
p (in percent defective or defects per hundred units)												
99.0	0.00503	0.075	0.218	0.412	0.693	1.45	1.75	2.39	3.05	3.74	5.17	6.29
95.0	0.0256	0.178	0.409	0.683	1.31	1.99	2.35	3.08	3.84	4.62	6.22	7.45
90.0	0.0527	0.286	0.531	0.872	1.58	2.33	2.72	3.51	4.32	5.15	6.84	8.12
75.0	0.144	0.481	0.864	1.27	2.11	2.96	3.42	4.31	5.21	6.12	7.95	9.34
50.0	0.347	0.639	1.34	1.84	2.84	3.84	4.33	5.33	6.33	7.33	9.33	10.8
25.0	0.690	1.35	1.96	2.55	3.71	4.83	5.40	6.51	7.61	8.70	10.9	12.5
10.0	1.15	1.94	2.66	3.34	4.64	5.89	6.50	7.70	8.89	10.1	12.4	14.1
5.0	1.50	2.37	3.15	3.88	5.26	6.57	7.22	8.48	9.72	10.9	13.3	15.1
1.0	2.30	3.32	4.20	5.02	6.55	8.00	8.70	10.1	11.4	12.7	15.3	17.2
0.10		0.40	0.65	1.0	1.5	2.5	4.0	6.5	10.0	13.0	14.0	
Acceptable Quality Levels (tightened inspection)												

Notes: AQL values given in above table based on Poisson distribution as an approximation to the Binomial.

Type of sampling plan	Cumulative sample size	Acceptable Quality Levels (normal inspection)																Higher than 6.5	
		Less than 0.065	0.065		0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	Higher than 6.5				
			Ac	Re															
																Ac	Re		
Single	200	▽	0	1														△	200
	125	▽																△	125
Double	250																		250
	50	▽																△	50
Multiple	100																		100
	150																		150
	200																		200
	250																		250
	300																		300
	350																		350
		Less than 0.10	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	Higher than 6.5						

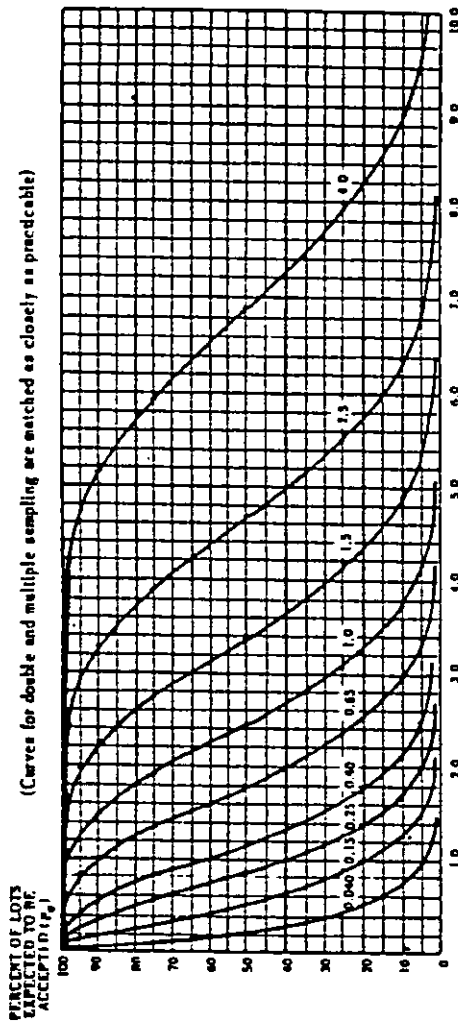
- ☐ Use single sampling plan above (or alternative)

MIL-STD-105E

TABLE X-M — Tables for sample size code letter: M

CHART M - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)



QUALITY OF SUBMITTED LOTS (p, in percent defective for AQL's < 10; in defects per hundred units for AQL's > 10)
 Note: Figures on curves are Acceptable Quality Levels (AQL's) for normal inspection.

TABLE X-M-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _e	Acceptable Quality Levels (normal inspection)										
	0.040	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	10.0	10.0
	p (in percent defective or in defects per hundred units)										
99.0	0.00319	0.0472	0.138	0.261	0.567	0.923	1.11	1.51	1.94	2.37	3.28
95.0	0.0163	0.113	0.260	0.434	0.830	1.26	1.49	1.96	2.44	2.94	3.95
90.0	0.0335	0.169	0.350	0.534	1.00	1.48	1.72	2.23	2.74	3.27	4.34
75.0	0.0913	0.305	0.548	0.805	1.34	1.89	2.17	2.74	3.31	3.89	5.05
50.0	0.220	0.533	0.849	1.17	1.80	2.43	2.75	3.39	4.02	4.66	5.93
25.0	0.440	0.855	1.24	1.62	2.36	3.07	3.43	4.13	4.83	5.52	6.90
10.0	0.731	1.23	1.69	2.12	2.94	3.74	4.13	4.89	5.64	6.39	7.86
5.0	0.951	1.51	2.00	2.46	3.34	4.17	4.58	5.38	6.17	6.95	8.47
1.0	1.46	2.11	2.67	3.19	4.16	5.08	5.52	6.40	7.24	8.08	9.71
0.065	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.0	8.0	10.0	10.0
	Acceptable Quality Levels (tightened inspection)										

Note: All values given in above table based on Poisson distribution as an approximation to the Binomial.

MIL-STD-105E

TABLE X-M-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: M

Type of sampling plan	Cumulative sample size	Acceptable Quality Levels (normal inspection)																												Cumulative sample size																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Less than 0.040	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	Higher than 4.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re

- △ = Use next preceding sample size code letter for which acceptance and rejection numbers are available.
- ▽ = Use next subsequent sample size code letter for which acceptance and rejection numbers are available.
- Ac = Acceptance number.
- Re = Rejection number.
- .
- Use single sampling plan above (or alternatively use code letter Q)
- Acceptance not permitted at this sample size.

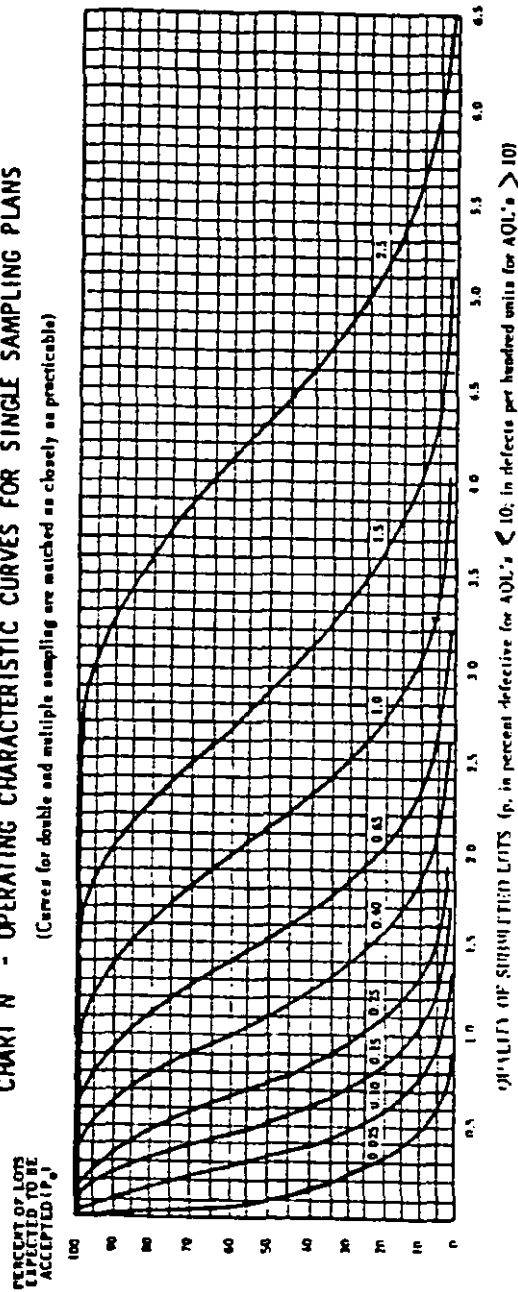


MIL-STD-105E

TABLE X-N—Tables for sample size code letter: N

CHART N - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)



Note: Figures on curves are Acceptable Quality Levels (AQL's) for usual inspection.

TABLE X-N-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _a	Acceptable Quality Levels (normal inspection)										
	0.025	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5
	p (in percent defective or in defects per hundred units)										
99.0	0.00201	0.0797	0.0872	0.165	0.357	0.581	0.701	0.954	1.22	1.50	2.07
95.0	0.0103	0.211	0.164	0.273	0.523	0.796	0.939	1.23	1.54	1.85	2.49
90.0	0.0211	0.106	0.220	0.349	0.630	0.931	1.09	1.40	1.73	2.06	2.73
75.0	0.0575	0.192	0.345	0.507	0.844	1.19	1.37	1.72	2.08	2.45	3.18
50.0	0.139	0.336	0.535	0.734	1.13	1.53	1.73	2.13	2.53	2.93	3.73
25.0	0.277	0.539	0.784	1.02	1.48	1.94	2.16	2.60	3.04	3.48	4.35
10.0	0.461	0.776	1.06	1.34	1.85	2.35	2.60	3.08	3.56	4.03	4.95
5.0	0.599	0.949	1.26	1.55	2.10	2.63	2.89	3.39	3.89	4.38	5.34
1.0	0.921	1.33	1.68	2.01	2.62	3.20	3.48	4.03	4.56	5.09	6.12
0.040	0.15	0.25	0.40	0.65	1.0	1.5	2.0	2.5	3.0	3.5	4.0
	Acceptable Quality Levels (tightened inspection)										

Note: All values given in above table based on Poisson distribution as an approximation to the Binomial

Type of sampling plan	Consecutive sample size	Acceptable Quality Levels (normal inspection)																		Consecutive sample size								
		Less than 0.025		0.025		0.040		0.065		0.10		0.15		0.25		0.40		0.65			1.0		1.5		2.5		Higher than 2.5	
		Ac	Rc	Ac	Rc	Ac	Rc	Ac	Rc	Ac	Rc	Ac	Rc	Ac	Rc	Ac	Rc	Ac	Rc		Ac	Rc	Ac	Rc	Ac	Rc	Ac	Rc
		Use		Use		Use		Use		Use		Use		Use		Use		Use			Use		Use		Use		Use	
Single	500	▽	0	1																								
Double	315 630	▽	.																									
Multiple	125 250 375 500 625 750 875	▽	.																									
		Less than 0.040	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	5	Higher than 2.5														

- | | | |
|----|---|---|
| △ | ≡ | Use next preceding sample size code letter for which acceptance and rejection numbers are available. |
| ▽ | ≡ | Use next subsequent sample size code letter for which acceptance and rejection numbers are available. |
| Ac | □ | Acceptance number |
| Re | □ | Rejection number |
| * | ≡ | Use single sampling plan above (or alternatively use code letter B) |
| o | □ | Acceptance not permitted at this sample size. |

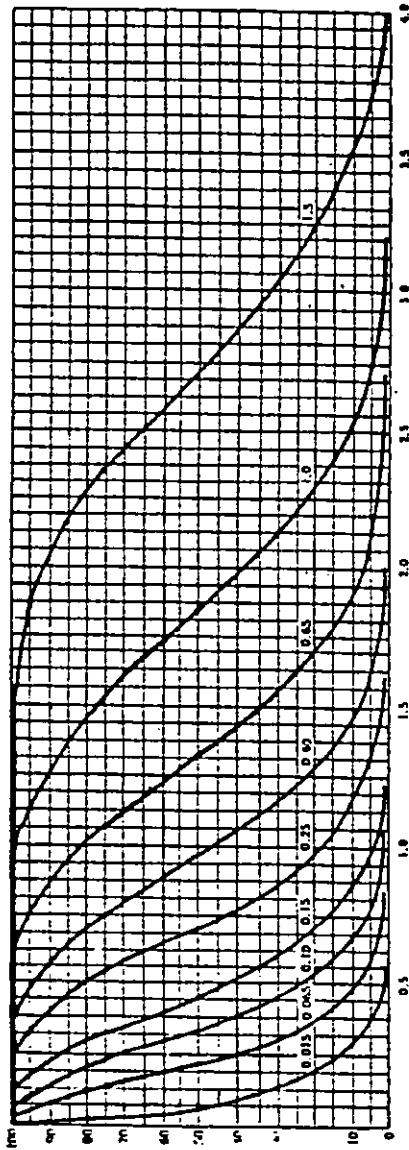
MIL-STD-105E

TABLE X-P—Tables for sample size code letter: P

CHART P - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

PERCENT OF LOTS
 ACCEPTED (Pa)
 ACCEPTED (Pc)



QUALITY OF SUBMITTED LOTS (p) is percent defective for AQL's ≤ 10 ; in defects per hundred units for AQL's > 10

Note: Figures on curves are Acceptable Quality Levels (AQL's) for normal inspection.

TABLE X-P-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _a	Acceptable Quality Levels (normal inspection)										
	0.015	0.045	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0
p in percent defective or defects per hundred units											
99.0	0.00126	0.0186	0.0345	0.103	0.223	0.363	0.438	0.596	0.752	0.935	1.29
95.0	0.00641	0.0444	0.102	0.171	0.327	0.498	0.587	0.771	0.961	1.16	1.56
90.0	0.0132	0.0665	0.138	0.218	0.394	0.582	0.679	0.878	1.08	1.29	1.71
75.0	0.0160	0.120	0.216	0.317	0.527	0.745	0.855	1.08	1.30	1.53	1.99
50.0	0.0666	0.210	0.334	0.459	0.709	0.959	1.08	1.33	1.58	1.83	2.33
25.0	0.173	0.337	0.490	0.639	0.928	1.21	1.35	1.63	1.90	2.17	2.72
10.0	0.288	0.486	0.665	0.835	1.16	1.47	1.62	1.93	2.22	2.52	3.09
5.0	0.374	0.593	0.787	0.969	1.31	1.64	1.80	2.12	2.43	2.74	3.34
1.0	0.576	0.830	1.05	1.26	1.64	2.00	2.18	2.52	2.85	3.18	3.82
0.025	0.10	0.10	0.15	0.25	0.40	0.65	0.65	1.0	1.5	2.5	4.0
Acceptable Quality Levels (tightened inspection)											

Note: All values given in above table based on Poisson distribution as an approximation to the Binomial.

MIL-STD-105E

TABLE X-P-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: P

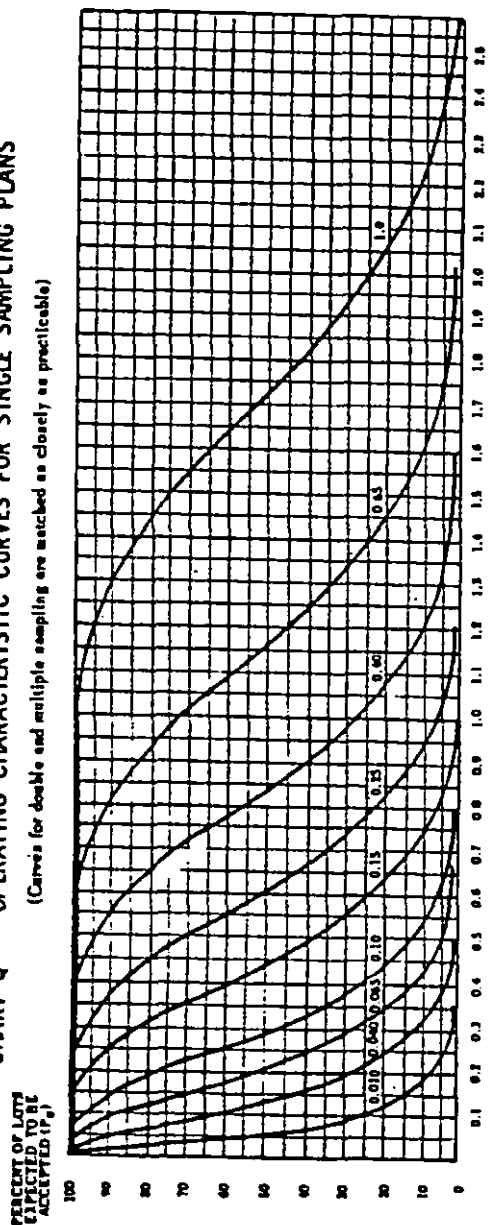
Type of sampling plan	Com- bative sample size	Acceptable Quality Levels (normal inspection)																								Higher than 1.5	
		0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	Higher than 1.5													
		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re										
		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re										
Single	800	▽	0	1																							△
Double	500	▽	.																								△
	1000																										
Multiple	200	▽	.																								△
	400																										
	600																										
	800																										
	1000																										
	1200																										
	1400																										
		Less than 0.025	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	Higher than 1.5		Acceptable Quality Levels (tightened inspection)												

MIL-STD-105E

TABLE X-Q—Tables for sample size code letter: Q

CHART Q - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)



Note: Figures on curves are Acceptable Quality Levels (AQL's) for normal inspection

TABLE X-Q-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _a	Acceptable Quality Levels (normal inspection)											
	0.010	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.0	1.0	1.0
p (in percent defective or defects per hundred units)												
99.0	0.000804	0.0119	0.0349	0.0659	0.143	0.232	0.281	0.382	0.488	0.598	0.828	1.01
95.0	0.00410	0.0284	0.0654	0.109	0.209	0.318	0.376	0.494	0.615	0.740	0.995	1.19
90.0	0.00843	0.0425	0.0882	0.140	0.252	0.372	0.435	0.562	0.692	0.824	1.09	1.30
75.0	0.0230	0.0769	0.138	0.203	0.338	0.476	0.547	0.690	0.834	0.979	1.27	1.49
50.0	0.0515	0.134	0.214	0.294	0.454	0.614	0.694	0.853	1.01	1.17	1.49	1.73
25.0	0.111	0.215	0.316	0.409	0.594	0.775	0.864	1.04	1.22	1.39	1.74	2.00
10.0	0.184	0.311	0.426	0.534	0.742	0.942	1.04	1.23	1.42	1.61	1.98	2.25
5.0	0.240	0.380	0.504	0.620	0.841	1.05	1.15	1.36	1.56	1.75	2.14	2.42
1.0	0.368	0.531	0.672	0.804	1.05	1.28	1.39	1.61	1.83	2.04	2.45	2.75
0.015	0.065	0.10	0.10	0.15	0.25	0.40	0.65	1.0	1.0	1.0	1.0	1.0
Acceptable Quality Levels (tightened inspection)												

Note: All values given in above table based on Poisson distribution as an approximation to the Binomial

MIL-STD-105E

TABLE X-Q-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER: Q

Type of sampling plan	Com- muni- cative sample size	Acceptable Quality Levels (normal inspection)																								Com- muni- cative sample size
		0.010		0.015		0.025		0.040		0.065		0.10		0.15		0.25		0.40		0.65		1.0		Higher than 1.0		
		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	
		Use	Letter	Use	code Letter	Use	code Letter	Use	code Letter	Use	code Letter	Use	code Letter	Use	code Letter	Use	code Letter	Use	code Letter	Use	code Letter	Use	code Letter	Use	code Letter	
Single	1250	0 1																						Δ		1250
Double	800 1600	•																						Δ		800 1600
Multiple	315 630 945 1260 1575 1890 2205	•																						Δ		315 630 945 1260 1575 1890 2205
		0.010	0.015	X		0.025	0.040	0.065	0.10	0.15	0.25	X		X		X		X		X		X		Higher than 1.0		
		Acceptable Quality Levels (tightened inspection)																								

△ Use next preceding sample size code letter for which acceptance and rejection numbers are available.

Ac = Acceptance number

Re = Rejection number

• Use single sampling plan above.

• Acceptance not permitted at this sample size.

Q

MIL-STD-105E

TABLE X-R—Tables for sample size code letter: R

CHART R - OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

(Curves for double and multiple sampling are matched as closely as practicable)

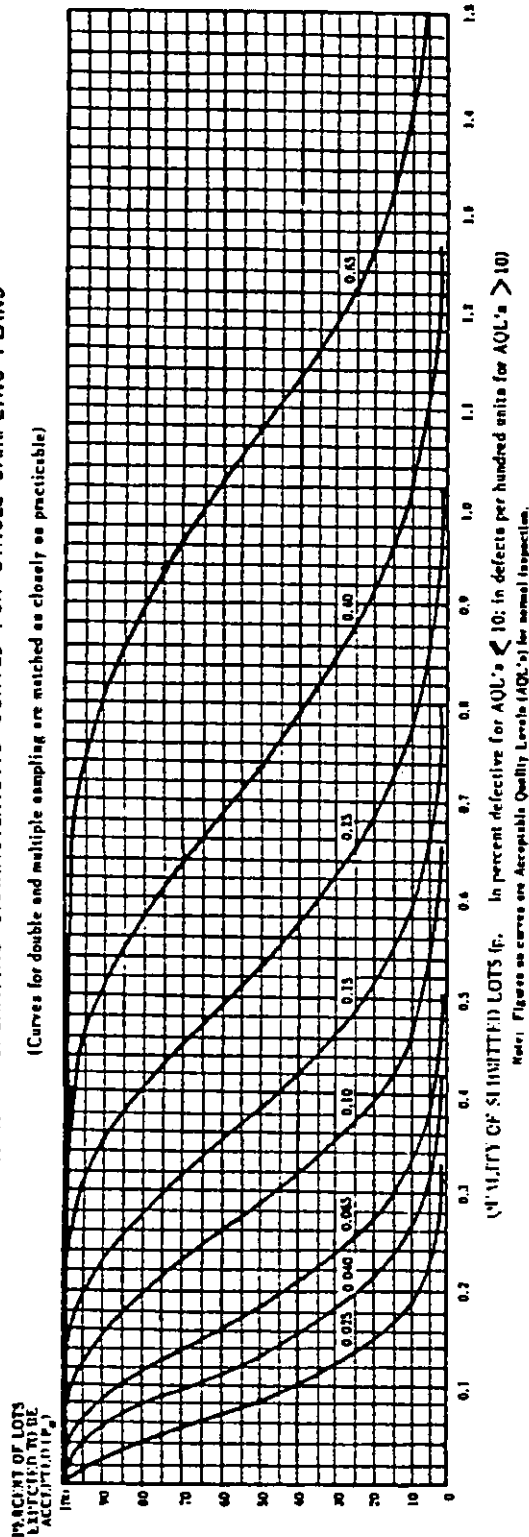


TABLE X-R-1 - TABULATED VALUES FOR OPERATING CHARACTERISTIC CURVES FOR SINGLE SAMPLING PLANS

P _a	Acceptable Quality Levels (normal inspection)									
	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5
p (in percent defective or defects per hundred units)										
99.0	0.00743	0.0218	0.0412	0.0892	0.145	0.239	0.305	0.374	0.517	0.629
95.0	0.0178	0.0409	0.0683	0.131	0.199	0.309	0.384	0.462	0.622	0.745
90.0	0.0266	0.0551	0.0872	0.158	0.233	0.351	0.432	0.515	0.694	0.812
75.0	0.0481	0.0864	0.127	0.211	0.298	0.431	0.521	0.612	0.795	0.934
50.0	0.0839	0.134	0.181	0.284	0.383	0.533	0.633	0.733	0.933	1.08
25.0	0.135	0.196	0.255	0.371	0.484	0.651	0.761	0.870	1.09	1.25
10.0	0.194	0.266	0.334	0.464	0.589	0.770	0.889	1.01	1.24	1.41
5.0	0.237	0.315	0.388	0.526	0.657	0.848	0.972	1.09	1.33	1.51
1.0	0.332	0.420	0.502	0.655	0.800	1.02	1.14	1.27	1.53	1.72
0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.0	2.5
Acceptable Quality Levels (lightened inspection)										
99.0	0.00743	0.0218	0.0412	0.0892	0.145	0.239	0.305	0.374	0.517	0.629
95.0	0.0178	0.0409	0.0683	0.131	0.199	0.309	0.384	0.462	0.622	0.745
90.0	0.0266	0.0551	0.0872	0.158	0.233	0.351	0.432	0.515	0.694	0.812
75.0	0.0481	0.0864	0.127	0.211	0.298	0.431	0.521	0.612	0.795	0.934
50.0	0.0839	0.134	0.181	0.284	0.383	0.533	0.633	0.733	0.933	1.08
25.0	0.135	0.196	0.255	0.371	0.484	0.651	0.761	0.870	1.09	1.25
10.0	0.194	0.266	0.334	0.464	0.589	0.770	0.889	1.01	1.24	1.41
5.0	0.237	0.315	0.388	0.526	0.657	0.848	0.972	1.09	1.33	1.51
1.0	0.332	0.420	0.502	0.655	0.800	1.02	1.14	1.27	1.53	1.72
0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.0	2.5

Note: All values given in above table based on Poisson distribution as is appropriate to the Binomial.

MIL-STD-105E

TABLE X-R-2 - SAMPLING PLANS FOR SAMPLE SIZE CODE LETTER, R

Type of sampling plan	Consecutive sample size	Acceptable Quality Levels (normal inspection)																				Consecutive sample size						
		X	0.010		0.015		X	0.025		0.040		0.065		0.10		0.15		X	0.25		0.40		X	Higher than 0.65				
			Ac	Re	Ac	Re		Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re		Ac	Re	Ac			Re	Ac	Re	Ac	Re
Single	2000	0	1																							Δ	2000	
Double	1250 2500	.																								Δ	1250 2500	
Multiple	500	.																									Δ	500
	1000																											1000
	1500																											1500
	2000																											2000
	2500																											2500
	3000																											3000
	3500																											3500
		0.010	0.015	X	0.025	0.040	0.065	0.10	0.15	X	0.25	X	0.40	X	0.65	X	Higher than 0.65											
		Acceptable Quality Levels (tightened inspection)																										

△ Use next preceding sample size code letter for which acceptance and rejection numbers are available.

Ac Acceptance number.

Re Rejection number.

• Use single sampling plan above.

• Acceptance not permitted at this sample size.

R

MIL-STD-105E

TABLE X-S—Tables for sample size code letter: S

Type of sampling plan	Cumulative sample size	Acceptable Quality Level (normal inspection)	
		Ac	Re
Single	3150	1	2
Double	2000	0	2
	4000	1	2
Multiple	800	2	2
	1600	2	2
	2400	0	2
	3200	0	3
	4000	1	3
	4800	1	3
	5600	2	3
		0.025	
		Acceptable Quality Level (tightened inspection)	

Ac = Acceptance number
 Re = Rejection number
 # = Acceptance not permitted at this sample size.

MIL-STD-105E

6. NOTES

6.1 Intended Use. Sampling procedures and tables for inspection by attributes are intended to be used in the acquisition of Defense material.

6.2 Subject Term (Key Word) Listing.

Acceptable Quality Level (AQL)

Average Outgoing Quality (AOQ)

Defect

Defective

Lot or Batch

Process Average

Sample

Sampling Plan

Unit of Product

6.3 Changes from Previous Issue. Vertical lines or asterisks are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

MIL-STD-105E

CONCLUDING MATERIAL

Custodians:

Army - AR
Navy - OS
Air Force - 23

Preparing Activity:

Army - AR

Review Activities:

Army - MI, EA, TE, AV, ER
Navy - AS, EC, MC, OM, SA,
SH, TD, YD
DLA - ES, GS, SS
OSD - IP, SO

(Project QCIC-0085)

User Activities:

Army - ME
DLA - ES, SS

INSTRUCTIONS: In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (**DO NOT STAPLE**), and mailed. In block 6, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

NOTE: This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

(Fold along this line)

(Fold along this line)

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 12062 WASHINGTON D. C.

POSTAGE WILL BE PAID BY THE DEPARTMENT OF THE ARMY

COMMANDER
U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT
AND ENGINEERING CENTER
ATTN: SMCAR-BAC-S
PICATINNY ARSENAL, NJ 07806-5000

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MIL-STD-105E		2. DOCUMENT TITLE SAMPLING PROCEDURES AND TABLES FOR INSPECTION BY ATTRIBUTES	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION (Mark one) ☐ VENDOR ☐ USER ☐ MANUFACTURER ☐ OTHER (Specify): _____	
b. ADDRESS (Street, City, State, ZIP Code)			
5. PROBLEM AREAS			
a. Paragraph Number and Wording:			
b. Recommended Wording:			
c. Reason/Rationale for Recommendation:			
6. REMARKS			
7a. NAME OF SUBMITTER (Last, First, MI) - Optional		b. WORK TELEPHONE NUMBER (Include Area Code) - Optional	
c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional		8. DATE OF SUBMISSION (YYMMDD)	