

C = 0 SAMPLING PLANS

MIL-STD-1916 Verification Level	VII	VI	V	IV	III	II	I									
INDEX VALUE																
AQL	.010	.015	.025	.040	.065	.10	.15	.25	.40	.65	1.0	1.5	2.5	4.0	6.5	10.0
LOT SIZE	SAMPLE SIZE															
2 TO 8	*	*	*	*	*	*	*	*	*	*	*	*	5	3	2	2
9 TO 15	*	*	*	*	*	*	*	*	*	*	13	8	5	3	2	2
16 TO 25	*	*	*	*	*	*	*	*	*	20	13	8	5	3	3	2
26 TO 50	*	*	*	*	*	*	*	*	32	20	13	8	5	5	5	3
51 TO 90	*	*	*	*	*	*	80	50	32	20	13	8	7	6	5	4
91 TO 150	*	*	*	*	*	125	80	50	32	20	13	12	11	7	6	5
151 TO 280	*	*	*	*	200	125	80	50	32	20	20	19	13	10	7	6
281 TO 500	*	*	*	315	200	125	80	50	48	47	29	21	16	11	9	7
501 TO 1200	*	800	500	315	200	125	80	75	73	47	34	27	19	15	11	8
1201 TO 3200	1250	800	500	315	200	125	120	116	73	53	42	35	23	18	13	9
3201 TO 10,000	1250	800	500	315	200	192	189	116	86	68	50	38	29	22	15	9
10,001 TO 35,000	1250	800	500	315	300	294	189	135	108	77	60	46	35	29	15	9
35,001 TO 150,000	1250	800	500	490	476	294	218	170	123	96	74	56	40	29	15	9
150,001 TO 500,000	1250	800	750	715	476	345	270	200	156	119	90	64	40	29	15	9
500,001 AND OVER	1250	1200	1112	715	556	435	303	244	189	143	102	64	40	29	15	9

*Indicates entire lot must be inspected (100%)
Note: The Acceptance Number in all cases is ZERO.
MAJOR QAPS use Level III
MINOR QAPS use LEVEL II

Switching Procedures

Normal to Tightened - one verification level to left

When normal inspection is in effect, tightened inspection shall be instituted when:

2 lots or batches have been rejected within the last 5 or fewer lots or batches.

Tightened to Normal

When tightened inspection is in effect, normal inspection may be instituted when:

5 consecutive lots/batches are accepted.

Normal to Reduced - one verification level to right

When normal inspection is in effect, reduced inspection may be instituted when:

10 consecutive lots/batches are accepted while on normal inspection.

Reduced to Normal

When reduced inspection is in effect, normal inspection shall be instituted when:

A lot/batch is rejected.

SMALL LOT SIZE SUPPLEMENT

MIL-STD-1916 (Associated Verification Level)	IV		III		II
INDEX VALUE (Associated AQL)	.25	.4	.65	1.0	1.5
LOT SIZE	SAMPLE SIZE				
5-10	*	*	*	8	5
11-15	*	*	11	8	5
16-20	*	16	12	9	6
21-25	22	17	13	10	6
26-30	25	20	16	11	7
31-35	28	23	18	12	8

* Indicates entire lot must be inspected (100%)
 NOTE: The Acceptance Number in all cases is ZERO.

TABLE NO. 1-H

GOVERNMENT TECH DATA PACKAGE SPECIFICS			
VLs PER MIL-STD-1916 *		AQLs *	
COLUMN TO USE IN TABLE 1-a OR 1-H	MAJOR		MINOR
	< 0.65	≥ 0.65	
CORRESPONDING VL COLUMN OF TABLE 1-a OR 1-H	CORRESPONDING AQL COLUMN OF TABLE 1-a OR 1-H	VL III OF TABLE 1-a OR 1-H	VL II OF TABLE 1-a OR 1-H FOR ALL MINORS
SWITCHING RULES ONE VL TO THE LEFT/RIGHT IS THE RESPECTIVE TIGHTENED/REDUCED PLAN EXCEPT: 1. IN 1-a REDUCED PLAN FOR VL I IS THE COLUMN HEADED BY AQL 6.5. 2. IN 1-H TIGHTENED FOR VL IV IS 100%. 3. IN 1-H NO REDUCED FOR VL II.	TABLE 1-a	TABLE 1-H	TABLE 1-a
	NEAREST VL TO THE LEFT/RIGHT OF THE AQL COLUMN IS THE RESPECTIVE TIGHTENED/REDUCED PLAN	FOR 0.4 AQL USE VL IV (.25) FOR TIGHTENED VL III (.65) FOR REDUCED FOR 0.25 AQL USE 100% FOR TIGHTENED VL III (.65) FOR REDUCED	VL IV FOR TIGHTENED VL II FOR REDUCED

* FOR VLs OR AQLs OUTSIDE THE RANGE OF TABLE 1-H, USE TABLE 1-a.

FNMI APPROVED SAMPLING PLAN
IAW MIL-STD-1916
WITH THE FOLLOWING EXCEPTIONS:

Paragraph 4.3 – MIL-STD-1916; is revised as follows:

Sentence 1 should be replaced with: “Any unit observed to be nonconforming should be properly controlled in such a way as to preclude the unit from being submitted to the Government.”

Sentence 3 should be replaced with: “Reworked* material may join in the regular production flow after it has been inspected in accordance with the associated rework inspection procedures. Repaired** material must be screened, unless otherwise authorized, and submitted separately from the regular production flow. If a lot has been withheld from acceptance, then it shall be reworked* or repaired**, screened, and resubmitted to the Government apart from the regular production flow.

*Rework shall be done to documented procedures that are subject to disapproval by the Quality Assurance Representative (QAR).

**Repair shall be done according to procedures approved by the Government and accepted on a Waiver/Deviation.”

Sampling Plan Tables:

The provisions of MIL-STD-1916 shall remain in effect with the following exceptions:

1. The acceptance plans contained in Tables 1-a and 1-H of the Squeglia document, as modified per the attached tables, are allowed to be used as a substitute for the acceptance tables contained in paragraphs 5.2 through 5.2.2.3.3.1 of MIL-STD-1916. (The attached tables have been modified to provide a cross reference between the Squeglia inspection plans and the associated verification level from MIL-STD-1916).
 - a. When Verification Levels per MIL-STD-1916 are specified in the Government Tech Data, the corresponding C=0 inspection plans for those Verification Levels, as specified in the attached Tables, may be utilized (e.g. if the Government tech data requires a verification level III per MIL-STD-1916, the C=0 inspection plans from the column in Table 1-a with sample sizes varying from *(100%) to 143 may be used).
 - b. When AQL based inspection plans are specified in the Government Tech Data, the following procedures shall be applied:
 - 1) For all Major QAP characteristics with the AQL of .65 or greater (that is an AQL with a numerical value equal to **or** greater than .65, e.g. 1.0, 1.5, etc.), Verification Level III of Table 1-a or 1-H shall be used.

- 2) For all Major QAP characteristics with an AQL less than .65 (*that* is an AQL with a numerical value less than .65, e.g. .40, .25, etc.), if any, the corresponding column for that AQL in Table 1-a or 1-H shall be used.
 - 3) For Major QAP characteristics which specify 100% inspection (if any), 100% inspection will continue to be used.
 - 4) For all **Minor** QAP characteristics, Verification Level II of Table 1-a or 1-H shall be used.
2. The switching procedures specified in paragraphs 5.2.1.3 through 5.2.1.4 of MIL-STD-1916, supplemented by the following shall be applied using Tables 1-a or 1-H:
- a. In Tables 1-a and 1-h:
When a sampling plan with a corresponding Verification Level is used, one Verification Level to the left/right of that Verification Level column is the respective tightened/reduced plan.

When a sampling plan with a corresponding AQL, but without a Verification Level, is used, the nearest Verification Level to the left/right of the AQL column is the respective tightened/reduced plan.

Note: MIL-STD-1916 switching rules only allow one level of switching. Sampling cannot go from one reduced level to a further reduced level, or from one tightened level to a further tightened level.
 - b. Table 1-a - for Verification Level I, the reduced inspection plan shall be the plan in the column immediately to the right of Verification Level I plan (i.e. the column headed by associated AQL 6.5).
 - c. Table 1-H – for Verification Level IV (or 0.25 AQL), the tightened inspection plan shall be 100% inspection of the entire lot.
 - d. Table 1-H – there shall be no reduced inspection for Verification Level II when Table 1-H is used.
3. If verification levels or AQLs outside the range of Table 1-H are specified, Table 1-a must be used.
4. The attached matrix summarizes the various procedures presented above.