SUPPLEMENTARY QUALITY ASSURANCE PROVISIONS

1. Introduction. The following define Supplementary Quality Assurance Provisions to this contract and become an integral part thereof. These provisions define additional requirements of the contractor in the performance of Quality Assurance duties. In the event of any conflicting requirements, these provisions shall have precedence.

2. General Provisions.

a. Acceptability of a lot or batch of material will be determined by the use of sampling plans contained herein, statistical process control and/or 100 percent inspection as specified in the supplier's Government approved quality or inspection plans. Final acceptance by Government inspection and/or testing may be required by the item specification, Automated Data List (ADL), or drawing.

b. The assignment of a sampling plan in no way alleviates the responsibility of the supplier to furnish a product meeting all the requirements of the documentation. Material not meeting all the requirements of the applicable drawings and specifications shall be considered defective whether or not the characteristic is classified. The supplier may not knowingly submit any non-conforming product to the customer for product acceptance.

c. Inspection and test records shall, as a minimum, indicate the nature of the observations, number of observations made, and the number and type of deficiencies found. Data included in inspection and test records shall be complete and accurate and shall be used for trend analysis and to assess corrective action effectiveness.

d. The supplier's gages and measuring and testing devices shall be made available for use by the purchaser when required to determine conformance with contract requirements. If conditions warrant, the supplier's personnel shall be made available for operation of such devices and for verification of accuracy and condition.

e. The supplier's software quality program shall be an integral part of the overall Quality Assurance program. Software quality program controls shall be applicable to all project software that is developed, maintained, or modified within the following categories:

(1) All deliverable software.

(2) All deliverable software that is included as part of deliverable hardware or firmware.

(3) Non-deliverable software (commercially available or user-developed) used for development, fabrication, testing, or acceptance of deliverable software or hardware (includes automated fabrication, test, and inspection/acceptance equipment software and software design, test, and inspection tools).

(4) Commercially available, reusable, or purchaser software designated as part of a deliverable item.

f. Government Property.

(1) Government-Furnished Material. When material is furnished by the Government, the contractor's procedures shall include at least the following:

(a) Examination upon receipt, consistent with practicability to detect damage in transit.

(b) Inspection for completeness and proper type.

(c) Periodic inspection and precautions to assure adequate storage conditions and to guard against damage from handling and deterioration during storage.

(d) Functional testing, either prior to or after installation, or both, as required by contract to determine satisfactory operation.

(e) Identification and protection from improper use or disposition.

(f) Verification of quantity.

(2) Damaged Government-Furnished Material (GFM). The supplier shall report to the Government representative any GFM found damaged, malfunctioning, or otherwise unsuitable for use. In the event of damage or malfunctioning during or after installation, the contractor shall determine and record probably cause and necessity for withholding material from use.

(3) Bailed Property. The supplier shall, as required by the terms of the Bailment Agreement, establish procedures for the adequate storage, maintenance and inspection of bailed Government property. Records of all inspections and maintenance performed on bailed property shall be maintained. These procedures and records shall be subject to review by the Government representative.

g. Acceptable Quality Levels (AQLs), as specified (in conjunction with MIL-STD-105) in ADLs, drawings, specifications shall **not** be used by the supplier to conduct (nondestructive) acceptance inspection. Criteria established by Attachment (1) shall be used by the supplier to conduct (nondestructive) acceptance inspection. (Where AQLs are listed, the AQLs are informational only (minimum historical quality levels.)) Use of other (nondestructive) Acceptance Inspection Plans requires prior Government approval.

h. Critical characteristics that are to be verified by nondestructive testing or inspection shall be inspected 100 percent regardless of any provisions or allowance to the contrary as may be contained, included or cited in the ADLs, drawings, or specifications. Reduced levels for nondestructive testing or inspection of critical characteristics are not allowed.

3. Applicable Definitions. Quality Assurance terms applied to the material to be delivered under this contract, unless otherwise specified, are defined in ANSI/ISO/ASQC 9000:2000. However, definitions set forth in Automated Data Lists (ADLs), drawings, and specifications of the contract shall take precedence over the definitions contained in ANSI/ISO/ASQC 9000:2000 or in the provisions, to the extend of the conflict. The Procurement Contracting Officer (PCO) shall be advised of any such uncovered conflict.

a. Classification of Characteristics. A specific attribute, measurement, or functional feature identified in the ADLs,

drawings, or specifications as a requirement and classified in accordance with the effect of conformance or nonconformance with the requirement as "critical," "major," or "minor."

b. Inspection by Characteristics. The application of acceptance/rejection criteria to each individual characteristic of an ADL, drawing or specification, or to individually specified characteristics.

c. Acceptance Inspection. Specified operations that must be performed by the supplier to assure that the lot of items (or item) conforms to the requirements of ADLs, drawings, and specification. These operations (examinations, measurements and tests) shall be conducted prior to the submission of the item (or lot of items) to the cognizant Government representative for acceptance by the Government.

d. Cognizant Government Representative. The designated Government representative specified in the contract.

e. Customer. Refer to the term "Purchaser."

f. Purchaser. In addition to the definitions of purchaser and customer found in the respective ANSI/ISO/ASQC standards, when used in the Quality Systems definitions of U.S. Government contracts, the term "Purchaser" shall refer to the body of the Government Agency administering the particular contract involved, or the authorized representative of that Government body.

g. Supplier. The organization that provides a product or a service to the customer. When used in the Quality Systems definitions of U.S. Government contracts, the term supplier shall denote the contractor.

h. Testing. That element of inspection by technical means that determines the properties or elements, including functional operation of elements and supplies or that components, by the application of established scientific principles and procedures.

4. The contractor shall **not** use MIL-STD-105 or Acceptable Quality Levels (AQLs) reference therein for (nondestructive) acceptance inspection. Table 1 shall be used by the contractor for (nondestructive) acceptance inspection. Inspection shall be by characteristic. Acceptance criteria shall be accept on zero

defects and reject on one or more defects for all inspection levels. Numbers under inspection levels indicate sample size. Asterisk indicates one hundred percent inspection. If sample size exceeds lot size, perform one hundred percent inspection. Inspection level is determined below:

REFERENCED AQL	INSPECTION LEVEL
.04	I
.065	II
.10	III
.15	IV
.25	V
.40	VI
.65	VII
1.0	VIII
1.5	IX
2.5	X
4.0	XI
6.5	XII

5. Unless specified otherwise on Automated Data Lists (ADLs), drawings, or specifications, inspection level VIII shall be used for "Major" characteristics and inspection level X for "Minor" characteristics, i.e., if no AQL is referenced for a "Major" or "Minor" characteristic, inspection levels VIII and X respectively apply. Characteristics not defined as "Critical" or "Major" are defined as "Minor."

TABLE 1 - SAMPLING

	INSPECTION LEVEL											
LOT SIZE	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2-8	*	*	*	*	*	*	*	*	*	5	3	2
9-15	*	*	*	*	*	*	*	13	8	5	3	2
16-25	*	*	*	*	*	*	20	13	8	5	3	2
26-50	*	*	*	*	*	32	20	13	8	5	4	3
51-90	*	*	*	80	50	32	20	13	13	13	8	6
91-150	*	*	125	80	50	32	20	13	13	13	10	8
151-280	*	200	125	80	50	32	32	32	20	15	13	9
281-500	315	200	125	80	50	50	49	32	24	19	14	11
501-1,200	315	200	125	80	80	74	49	39	31	23	18	14
1,201-3,200	315	200	125	125	123	74	59	49	36	28	22	17
3,201-10,000	315	200	200	148	123	95	74	56	45	35	27	19
10,001-35,000	315	200	200	148	142	119	99	72	56	43	31	19
35,001-150,000	315	315	299	229	175	142	99	87	69	49	31	19
150,001-500,000	500	498	299	298	213	149	135	110	74	49	31	19
500,001 AND ABOVE	500	498	299	299	299	213	165	124	74	49	31	19

* - TEST ENTIRE LOT