

(b)(1) The Contractor shall maintain adequate records for implementing this clause. The Contractor shall make such records available at its office for inspection, audit, or reproduction by any authorized representative of the Contracting Officer.

(2) When the Contractor authorizes a subcontractor to use the modernized or replacement equipment, the subcontractor shall be required to maintain records and make them and additional information available to the Contracting Officer.

(c) Records of equipment shall generally be acceptable if they are maintained under established accounting practices and permit a fair estimation of the net cost savings realized. Net cost savings realized shall be determined by a comparison of the Contractor's cost experience in the operation of the equipment before and after modernization.

(d) Amounts due the Government under this clause shall be returned by the Contractor, as directed by the Contracting Officer, by—

(1) Credits to, or adjustment of the prices of, the related contracts benefitting from using the modernized or replacement equipment;

(2) Payment to the Government through the Contracting Officer having cognizance of the equipment; or

(3) Any other means mutually agreed to.

(End of clause)

[48 FR 42478, Sept. 19, 1983, as amended at 50 FR 1748, Jan. 11, 1985; 50 FR 52434, Dec. 23, 1985]

52.245-17 Special Tooling.

As prescribed in 45.306-5, insert the following clause:

SPECIAL TOOLING (DEC 1989)

(a) *Definition. Special tooling* means jigs, dies, fixtures, molds, patterns, taps, gauges, other equipment and manufacturing aids, all components of these items, and replacements of these items that are of such a specialized nature that without substantial modification or alteration their use is limited to the development or production of particular supplies or parts thereof or performing particular services. It does not include material, special test equipment, facilities (except foundations and similar improvements necessary for installing special tooling), general or special machine tools, or similar capital items. Special tooling for the purpose of this clause, includes all special tooling acquired or fabricated by the Contractor for the Government (other than special tooling to be delivered as a line item) or furnished by the Government for use in connection with and under the terms of the contract.

(b) *Title.* The Government retains title to Government-owned special tooling and option to take title to all special tooling subject to this clause until such time as title or option to take title is relinquished by the Contracting Officer as provided for in subparagraphs (j)(2) and (j)(3) of this clause.

(c) *Risk of loss.* Except to the extent that the Government shall have otherwise assumed the risk of loss to special tooling applicable to this clause, in the event of the loss, theft or destruction of or damage to any such property, the repair or replacement shall be accomplished by the Contractor at its own expense.

(d) *Special tooling furnished by the Government.* (1) Except as otherwise provided in this contract, all Government-furnished special tooling is provided *as is*. The Government makes no warranty whatsoever with respect to special tooling furnished *as is*, except that the property is in the same condition when placed at the f.o.b. point specified in the solicitation as when last available for inspection by the Contractor under the solicitation.

(2) The Contractor may repair any special tooling made available on an *as is* basis. Such repair will be at the Contractor's expense, except as otherwise provided in this clause. Such property may be modified as necessary for use under this contract at the Contractor's expense, except as otherwise directed by the Contracting Officer. Any repair or modification of property furnished *as is* shall not affect the title of the Government.

(3) If there is any change in the condition of special tooling furnished *as is* from the time inspected or last available for inspection under the solicitation to the time placed on board at the location specified in the solicitation or the Government directs a change in the quantity of special tooling furnished or to be furnished, and such change will adversely affect the Contractor, the Contractor shall, upon receipt of the property, notify the Contracting Officer detailing the facts, and, as directed by the Contracting Officer, either (i) return such items at the Government's expense or otherwise dispose of the property or (ii) effect repair to return the property to its condition when inspected under the solicitation or, if not inspected, last available for inspection under the solicitation. After completing the directed action and upon written request of the Contractor, the Contracting Officer shall equitably adjust any contractual provisions affected by the return, disposition, or repair in accordance with procedures provided for in the Changes clause of this contract. The foregoing provisions for adjustment are the exclusive remedy available to the Contractor, and the Government shall not be otherwise liable for any delivery of special tooling in a condition or in quantities other than that when originally offered.

(e) *Use of special tooling.* The Contractor may use special tooling subject to this clause on other Government effort when specifically approved in writing by the Contracting Officer for this contract and the Contracting Officer for the contract under which the special tooling will be used. Any other use of the special tooling shall be subject to advance written approval of the Contracting Officer. In the event the Government elects to remove any special tooling that is required for continued contract performance, the contract shall be equitably adjusted in accordance with paragraph (m) of this clause.

(f) *Property control*—(1) *Records.* The Contractor's special tooling records shall provide the following minimum information regarding each item of special tooling subject to this clause and shall be made available for Government inspection at all reasonable times:

(i) Number or code of the contract to which the tooling is accountable and the number or code of the contract for which the tooling was originally acquired or fabricated.

(ii) Retention codes as defined below:

(A) *Primary Code.* Assign one of the following to each item of special tooling:

Code A. Spares Tooling. Required to produce a provisioned spare part or assembly.

Code B. Judgment (Insurance) Tooling. Fabrication tools for parts that are not provisioned spares but which in the judgment of the Contractor will be required at some time for logistic support of the end item.

Code C. Rate Tooling. Necessary to economically produce at increased rates (e.g., for mobilization or surge) but not essential for parts fabrication at low production rates.

Code D. Assembly Tooling. Required for manufacture of the end product but not required for production of spare parts. Those items having no postproduction need except for potential modification or resumed production programs.

(B) *Secondary Code.* Assign one or more of the following codes, as applicable, to each item of special tooling:

Code 1. Repair Tooling. Items which are capable of being used for repair of provisioned parts or assemblies.

Code 2. Replaceable Tooling. Spares or judgment tooling (primary retention code A or B) which, in the opinion of the Contractor, can be effectively and economically replaced by soft tooling on an *as required* basis in lieu of retention of the *hard* production tooling for supporting postproduction requirements.

Code 3. Maintenance Tooling. Items which are capable of being used for depot level maintenance of the applicable end item or components thereof.

Code 4. Crash Damage Tooling. Items which apply to provisioned or nonprovisioned parts or assemblies which are designated as or

have the potential of being required for crash damage repairs.

(iii) Nomenclature, function, or comparable code.

(iv) Tool part number or code.

(v) Tool identification number, or quantity of each tool part number or code, if tool identification number is not assigned.

(vi) Part number(s) of item(s) on which used (complete hierarchy of part numbers).

(vii) Unit price. (Estimates are acceptable.)

(viii) Storage method code. Assign one of the following:

Code J. Inside storage.

Code K. Outside storage.

Code L. Other.

(ix) Estimated weight of tool, if over 25 pounds.

(x) Estimated volume of tool, if over 3 cubic feet.

(xi) Location of Contractor, subcontractor, vendor for each item. Use Federal Supply Code for Manufacturers (FSCM), or name and address if code is not available.

(xii) All operation sheets or other data as are necessary to show the manufacturing operation or processes for which such items were used, designed, or modified.

(2) *Identification or tagging.* To the extent practicable, the Contractor shall identify all special tooling subject to this clause in accordance with the Contractor's identification procedures.

(g) *Maintenance.* The Contractor shall maintain special tooling in accordance with sound industrial practice. These requirements do not apply to those items designated by the Contracting Officer for disposal as scrap or identified as of no further interest to the Government under paragraph (j), Disposition instructions, of this clause.

(h) *Identification of excess special tooling.* The Contractor shall promptly identify and report all special tooling in excess of the amounts needed to complete full performance under this contract (see subdivision (i)(2)(i) of this clause).

(i) *Lists of special tooling.* The Contractor shall periodically prepare and distribute lists of special tooling as described below:

(1) *Special tooling list.* The list shall be furnished within 60 days after delivery of the first production end item under this contract or completion of the initial provisioning process, whichever is later, and shall include all special tooling subject to this clause as of the reporting date. However, if this contract represents the final production contract, the Contractor shall provide this list of all tools not later than 180 days prior to scheduled delivery of the last production end item. If this is a contract for storage of special tooling, the list shall be provided within 60 days of contract implementation.

(2) *Excess special tooling list*—(i) *Excess special tooling*. Except for items subject to subdivision (i)(2)(ii) of this clause, lists of special tooling excess to this contract shall be furnished within 60 days of the date that the item is determined to be excess. The Contractor shall include in this list the information prescribed in Format of lists, subparagraph (i)(3) of this clause, as well as the applicable excess code as follows:

Code V. Excess to contract requirements with no follow-on requirements.

Code W. Excess to contract requirements but can be used to support actual or anticipated follow-on requirements.

Code X. Excess due to changes in design or specification of the end items.

Code Y. Excess due to nonserviceable or nonrepairable condition.

Code Z. Other.

(ii) *Termination inventory*. These items shall be submitted on SF 1432 or by computer list attached to an SF 1432 in accordance with FAR 45.606. Format and content of this submission will be as prescribed by Format of lists, subparagraph (i)(3) of this clause, but will contain information as prescribed by FAR subpart 45.6, in effect on the date of award of this contract.

(3) *Format of lists*. Lists furnished by the Contractor shall state the type of list and shall include all information from subparagraph (f)(1), Records, of this clause, items (i) through (xi). All lists will be grouped by primary retention code as prescribed in subdivision (f)(1)(ii)(A) of this clause and further listed in tool part number sequence.

(4) *Distribution of lists*. The Contractor shall submit two copies of lists to each of the following recipients unless otherwise directed:

(i) The Contracting Officer.

(ii) The Administrative Contracting Officer.

(iii) The inventory control point designated by the contracting office.

(j) *Disposition instructions*. The Contracting Officer shall provide the Contractor with written disposition instructions within 180 days of receipt of the list as prescribed by subparagraph (i)(1) of this clause and within 90 days of the receipt of excess special tooling lists reported in accordance with subparagraph (i)(2) of this clause. The Contracting Officer may direct disposition by any of the methods listed in subparagraphs (j)(1) through (j)(3) of this clause, or a combination of such methods. The Contractor shall comply with such disposition instructions.

(1) The Contracting Officer may identify specific items of special tooling to be retained or give the Contractor a list specifying the products, parts, or services including follow-on requirements for which the Government may require special tooling and request the Contractor to identify all usable items of special tooling on hand that were

designed for or used in the production or performance of such products, parts, or services. Once items of usable special tooling required by the Government are identified, the Contracting Officer may—

(i) Direct the Contractor to transfer specified items of special tooling to follow-on contracts requiring their use. Those items shall be furnished for use on the contract(s) as specified by the Contracting Officer and shall be subject to the provisions of the gaining contract(s); or

(ii) Request the Contractor to enter into an appropriate storage contract for special tooling specified to be retained by the Contractor for the Government. Tooling to be stored shall be stored pursuant to a storage contract between the Government and the Contractor; or

(iii) Direct the Contractor to transfer title to the Government (to the extent not previously transferred) and deliver to the Government those items of special tooling which are specified for removal from the Contractor's plant.

(2) The Contracting Officer may direct the Contractor to sell, or dispose of as scrap, for the account of the Government, any special tooling not specified by the Government pursuant to subparagraph (j)(1) of this clause. To the extent that the Contractor incurs any costs occasioned by compliance with such direction, for which it is not otherwise compensated, the contract price shall be equitably adjusted in accordance with the Changes clause of this contract. The net proceeds of all sales shall either be credited to the cost of contract performance or shall be otherwise paid to the Government as directed by the Contracting Officer. Sale of special tooling to the prime Contractor or any of its subcontractors is subject to the prior written approval of the Contracting Officer.

(3) The Contracting Officer may furnish the Contractor with a statement disclaiming further Government interest or right in specified special tooling.

(4) *Restoration of Contractor's premises*. Unless otherwise provided in this contract, the Government has no obligation to restore or rehabilitate the Contractor's premises under any circumstances (e.g., abandonment, disposition upon completion of need, or upon contract completion). However, if special tooling is withdrawn or if other special tooling is substituted, then the equitable adjustment under paragraph (m) of this clause may properly include restoration or rehabilitation costs.

(k) *Access to special tooling*. The Contractor shall provide access to special tooling subject to this clause at all reasonable times to all individuals designated by the Contracting Officer.

(l) *Storage or shipment.* The Contractor shall promptly arrange for either the shipment or the storage of special tooling specified in accordance with the final disposition instructions in subdivisions (j)(1)(ii) or (j)(1)(iii) of this clause. Tooling to be shipped shall be properly packaged, packed, and marked in accordance with the directions of the Contracting Officer. All operation sheets or other appropriate data necessary to show the manufacturing operations or processes for which the items were used or designed shall accompany special tooling to be shipped or stored or shall otherwise be provided to the Government as directed by the Contracting Officer. To the extent that the Contractor incurs costs for storage, shipment, packing, crating, or handling under this paragraph and not otherwise compensated for, the contract price shall be equitably adjusted in accordance with the Changes clause of this contract.

(m) *Equitable adjustment.* When this clause specifies an equitable adjustment, it shall be made to any affected contract provision in accordance with the procedures of the Changes clause. When appropriate, the Contracting Officer may initiate an equitable adjustment in favor of the Government. The right to an equitable adjustment shall be the Contractor's exclusive remedy. The Government shall not be liable to suit for breach of contract for—

- (1) Any delay in delivery of Government-furnished special tooling;
- (2) Delivery of Government-furnished special tooling in a condition not suitable for its intended use;
- (3) A decrease in or substitution of special tooling; or
- (4) Failure to repair or replace Government-furnished special tooling for which the Government is responsible.

(n) *Subcontract provisions.* In order to perform this contract, the Contractor may place subcontracts (including purchase orders) involving the use of special tooling. If the full cost of the tooling is charged to those subcontracts, the Contractor agrees to include in the subcontract appropriate provisions to obtain Government rights and data comparable to the rights of the Government under this clause (unless the Contractor and Contracting Officer agree in writing that such rights are not of interest to the Government). The Contractor agrees to exercise such rights for the benefit of the Government as directed by the Contracting Officer.

(End of clause)

[54 FR 48995, Nov. 28, 1989]

52.245-18 Special Test Equipment.

As prescribed in 45.307-3, insert the following clause:

SPECIAL TEST EQUIPMENT (FEB 1993)

(a) *Special test equipment,* as used in this clause, means either single or multipurpose integrated test units engineered, designed, fabricated, or modified to accomplish special purpose testing in performing a contract. It consists of items or assemblies of equipment, including standard or general purpose items or components, that are interconnected and interdependent so as to become a new functional entity for special testing purposes. It does not include material, special tooling, facilities (except foundations and similar improvements necessary for installing special test equipment), and plant equipment items used for general plant testing purposes.

(b) The Contractor may either acquire or fabricate special test equipment at Government expense when the equipment is not otherwise itemized in this contract and the prior approval of the Contracting Officer has been obtained. The Contractor shall provide the Contracting Officer with a written notice, at least 30 days in advance, of the Contractor's intention to acquire or fabricate the special test equipment. As a minimum, the notice shall also include an estimated aggregate cost of all items and components of the equipment the individual cost of which is less than \$5,000, and the following information on each item or component of equipment costing \$5,000 or more:

- (1) The end use application and function of each proposed special test unit, identifying special characteristics and the reasons for the classification of the test unit as special test equipment.
- (2) A complete description identifying the items to be acquired and the items to be fabricated by the Contractor.
- (3) The estimated cost of the item of special test equipment or component.
- (4) A statement that intra-plant screening of Contractor and Government-owned special test equipment and components has been accomplished and that none are available for use in performing this contract.

(c) The Government may furnish any special test equipment or components rather than approve their acquisition or fabrication by the Contractor. Such Government-furnished items shall be subject to the Government Property clause, except that the Government shall not be obligated to deliver such items any sooner than the Contractor could have acquired or fabricated them after expiration of the 30-day notice period in paragraph (b) of this clause. However, unless the Government notifies the Contractor of its decision to furnish the items within the 30-day notice period, the Contractor may proceed to acquire or fabricate the equipment or components subject to any other applicable provisions of this contract.

(d) The Contractor shall, in any subcontract that provides that special test