

considered by the contracting officer to be incompetent or otherwise objectionable.

(End of clause)

*Alternate I* (JUL 2002). For new construction work with complex mechanical-electrical work, the following paragraph relating to work coordination may be substituted for paragraph (b) of the basic clause:

(b) The contractor shall be responsible to the Government for acts and omissions of his/her own employees, and subcontractors and their employees. The contractor shall also be responsible for coordination of the work of the trades, subcontractors, and material suppliers. The contractor shall, in advance of the work, prepare coordination drawings showing the location of openings through slabs, the pipe sleeves and hanger inserts, as well as the location and elevation of utility lines, including, but not limited to, conveyor systems, pneumatic tubes, ducts, and conduits and pipes 2 inches and larger in diameter. These drawings, including plans, elevations, and sections as appropriate, shall clearly show the manner in which the utilities fit into the available space and relate to each other and to existing building elements. Drawings shall be of appropriate scale to satisfy the previously stated purposes, but not smaller than 3/8-inch scale. Drawings may be composite (with distinctive colors for the various trades) or may be separate but fully coordinated drawings (such as sepias or photographic paper reproductions) of the same scale. Separate drawings shall depict identical building areas or sections and shall be capable of being overlaid in any combination. The submitted drawings for a given area of the project shall show the work of all trades that will be involved in that particular area. Six complete composite drawings or six complete sets of separate reproducible drawings shall be received by the Government not less than 20 days prior to the scheduled start of the work in the area illustrated by the drawings, for the purpose of showing the contractor's planned methods of installation. The objectives of such drawings are to promote carefully planned work sequence and proper trade coordination, in order to assure the expeditious solutions of problems and the installation of lines and equipment as contemplated by the contract documents while avoiding or minimizing additional costs to the contractor and to the Government. In the event the contractor, in coordinating the various installations and in planning the method of installation, finds a conflict in location or elevation of any of the utilities with themselves, with structural items or with other construction items, he/she shall bring this conflict to the attention of the contracting officer immediately. In

doing so, the contractor shall explain the proposed method of solving the problem or shall request instructions as to how to proceed if adjustments beyond those of usual trades coordination are necessary. Utilities installation work will not proceed in any area prior to the submission and completion of the Government review of the coordinated drawings for that area, nor in any area in which conflicts are disclosed by the coordination drawings, until the conflicts have been corrected to the satisfaction of the contracting officer. It is the responsibility of the contractor to submit the required drawings in a timely manner consistent with the requirements to complete the work covered by this contract within the prescribed contract time.

#### 852.236-81 [Reserved]

#### 852.236-82 Payments under fixed-price construction contracts (without NAS).

As prescribed in 832.111, insert the following clause in contracts that do not contain a section entitled "Network Analysis System (NAS)."

#### PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS (APR 1984)

The clause entitled "Payments Under Fixed-Price Construction Contracts" in FAR 52.232-5 is implemented as follows:

##### (a) Retainage:

(1) The contracting officer may retain funds:

(i) Where performance under the contract has been determined to be deficient or the contractor has performed in an unsatisfactory manner in the past; or

(ii) As the contract nears completion, to ensure that deficiencies will be corrected and that completion is timely.

(2) Examples of deficient performance justifying a retention of funds include, but are not restricted to, the following:

(i) Unsatisfactory progress as determined by the contracting officer;

(ii) Failure to meet schedule in Schedule of Work Progress;

(iii) Failure to present submittals in a timely manner; or

(iv) Failure to comply in good faith with approved subcontracting plans, certifications, or contract requirements.

(3) Any level of retention shall not exceed 10 percent either where there is determined to be unsatisfactory performance, or when the retainage is to ensure satisfactory completion. Retained amounts shall be paid promptly upon completion of all contract requirements, but nothing contained in this subparagraph shall be construed as limiting the contracting officer's right to withhold funds under other provisions of the contract

or in accordance with the general law and regulations regarding the administration of Government contracts.

(b) The contractor shall submit a schedule of cost to the contracting officer for approval within 30 calendar days after date of receipt of notice to proceed. Such schedule will be signed and submitted in triplicate. The approved cost schedule will be one of the bases for determining progress payments to the contractor for work completed. This schedule shall show cost by the branches of work for each building or unit of the contract, as instructed by the resident engineer.

(1) The branches shall be subdivided into as many sub-branches as are necessary to cover all component parts of the contract work.

(2) Costs as shown on this schedule must be true costs and, should the resident engineer so desire, he/she may require the contractor to submit the original estimate sheets or other information to substantiate the detailed makeup of the schedule.

(3) The sum of the sub-branches, as applied to each branch, shall equal the total cost of such branch. The total cost of all branches shall equal the contract price.

(4) Insurance and similar items shall be prorated and included in the cost of each branch of the work.

(5) The cost schedule shall include separate cost information for the systems listed in the table in this paragraph (b)(5). The percentages listed below are proportions of the cost listed in the contractor's cost schedule and identify, for payment purposes, the value of the work to adjust, correct and test systems after the material has been installed. Payment of the listed percentages will be made only after the contractor has demonstrated that each of the systems is substantially complete and operates as required by the contract.

VALUE OF ADJUSTING CORRECTING, AND TESTING SYSTEM

System	Percent
Pneumatic Tube System .....	10
Incinerators (medical waste and trash) .....	5
Sewage treatment plant equipment .....	5
Water treatment plant equipment .....	5
Washers (dish, cage, glass, etc.) .....	5
Sterilizing equipment .....	5
Water distilling equipment .....	5
Prefab temperature rooms (cold, constant temperature) .....	5
Entire air-conditioning system (Specified under 600 Sections) .....	5
Entire boiler plant system (Specified under 700 Sections) .....	5
General supply conveyors .....	10
Food service conveyors .....	10
Pneumatic soiled linen and trash system .....	10
Elevators and dumbwaiters .....	10
Materials transport system .....	10
Engine-generator system .....	5
Primary switchgear .....	5
Secondary switchgear .....	5

VALUE OF ADJUSTING CORRECTING, AND TESTING SYSTEM—Continued

System	Percent
Fire alarm system .....	5
Nurse call system .....	5
Intercom system .....	5
Radio system .....	5
TV (entertainment) system .....	5

(c) In addition to this cost schedule, the contractor shall submit such unit costs as may be specifically requested. The unit costs shall be those used by the contractor in preparing his/her bid and will not be binding as pertaining to any contract changes.

(d) The contracting officer will consider for monthly progress payments material and/or equipment procured by the contractor and stored on the construction site, as space is available, or at a local approved location off the site, under such terms and conditions as such officer approves, including but not limited to the following:

(1) The material or equipment is in accordance with the contract requirements and/or approved samples and shop drawings.

(2) Only those materials and/or equipment as are approved by the resident engineer for storage will be included.

(3) Such materials and/or equipment will be stored separately and will be readily available for inspection and inventory by the resident engineer.

(4) Such materials and/or equipment will be protected against weather, theft and other hazards and will not be subjected to deterioration.

(5) All of the other terms, provisions, conditions and covenants contained in the contract shall be and remain in full force and effect as therein provided.

(6) A supplemental agreement will be executed between the Government and the contractor with the consent of the contractor's surety for off-site storage.

(e) The contractor, prior to receiving a progress or final payment under this contract, shall submit to the contracting officer a certification that the contractor has made payment from proceeds of prior payments, or that timely payment will be made from the proceeds of the progress or final payment then due, to subcontractors and suppliers in accordance with the contractual arrangements with them.

(f) The Government reserves the right to withhold payment until samples, shop drawings, engineer's certificates, additional bonds, payrolls, weekly statements of compliance, proof of title, nondiscrimination compliance reports, or any other things required by this contract, have been submitted to the satisfaction of the contracting officer.

(End of clause)

*Alternate I* (JUL 2002). If the specifications include guarantee period services, the contracting officer shall include the following paragraphs as additions to paragraph (b) of the basic clause:

(6)(i) The contractor shall at the time of contract award furnish the total cost of the guarantee period services in accordance with specification section(s) covering guarantee period services. The contractor shall submit, within 15 calendar days of receipt of the notice to proceed, a guarantee period performance program that shall include an itemized accounting of the number of work-hours required to perform the guarantee period service on each piece of equipment. The contractor shall also submit the established salary costs, including employee fringe benefits, and what the contractor reasonably expects to pay over the guarantee period, all of which will be subject to the contracting officer's approval.

(ii) The cost of the guarantee period service shall be prorated on an annual basis and paid in equal monthly payments by VA during the period of guarantee. In the event the installer does not perform satisfactorily during this period, all payments may be withheld and the contracting officer shall inform the contractor of the unsatisfactory performance, allowing the contractor 10 days to correct deficiencies and comply with the contract. The guarantee period service is subject to those provisions as set forth in the Payments and Default clauses.

**852.236-83 Payments under fixed-price construction contracts (including NAS).**

As prescribed in 832.111, insert the following clause in contracts that contain a section entitled "Network Analysis System (NAS)."

**PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS (JUL 2002)**

The clause entitled "Payments Under Fixed-Price Construction Contracts" in FAR 52.232-5 is implemented as follows:

(a) Retainage:

(1) The contracting officer may retain funds:

(i) Where the performance under the contract has been determined to be deficient or the contractor has performed in an unsatisfactory manner in the past; or

(ii) As the contract nears completion, to ensure that deficiencies will be corrected and that completion is timely.

(2) Examples of deficient performance justifying a retention of funds include, but are not restricted to, the following:

(i) Unsatisfactory progress as determined by the contracting officer;

(ii) Failure either to meet schedules in Section Network Analysis System (NAS), or to process the Interim Arrow Diagram/Complete Project Arrow Diagram;

(iii) Failure to present submittals in a timely manner; or

(iv) Failure to comply in good faith with approved subcontracting plans, certifications, or contract requirements.

(3) Any level of retention shall not exceed 10 percent either where there is determined to be unsatisfactory performance, or when the retainage is to ensure satisfactory completion. Retained amounts shall be paid promptly upon completion of all contract requirements, but nothing contained in this subparagraph shall be construed as limiting the contracting officer's right to withhold funds under other provisions of the contract or in accordance with the general law and regulations regarding the administration of Government contracts.

(b) The contractor shall submit a schedule of costs in accordance with the requirements of Section Network Analysis System (NAS) to the contracting officer for approval within 90 calendar days after date of receipt of notice to proceed. The approved cost schedule will be one of the bases for determining progress payments to the contractor for work completed.

(1) Costs as shown on this schedule must be true costs and, should the resident engineer so desire, he/she may require the contractor to submit his/her original estimate sheets or other information to substantiate the detailed makeup of the cost schedule.

(2) The total costs of all activities shall equal the contract price.

(3) Insurance and similar items shall be prorated and included in each activity cost of the critical path method (CPM) network.

(4) The CPM network shall include a separate cost loaded activity for adjusting and testing of the systems listed in the table in paragraph (b)(5) of this section. The percentages listed below will be used to determine the cost of adjust and test activities and identify, for payment purposes, the value of the work to adjust, correct and test systems after the material has been installed.

(5) Payment for adjust and test activities will be made only after the contractor has demonstrated that each of the systems is substantially complete and operates as required by the contract.

**VALUE OF ADJUSTING, CORRECTING, AND TESTING SYSTEM**

System	Percent
Pneumatic tube system .....	10
Incinerators (medical waste and trash) .....	5
Sewage treatment plant equipment .....	5
Water treatment plant equipment .....	5