

52.248-2 Value Engineering-Architect-Engineer.

As prescribed in 48.201(f), insert the following clause:

Value Engineering-Architect-Engineer (Mar 1990)

(a) *General.* The Contractor *shall* (1) perform *value engineering* (VE) services and submit progress reports as specified in the Schedule; and (2) submit to the *Contracting Officer* any resulting *value engineering proposals* (VEP's). *Value engineering* activities *shall* be performed concurrently with, and without delay to, the schedule set forth in the contract. The services *shall* include VE evaluation and review and study of design documents immediately following completion of the 35 percent design state or at such stages as the *Contracting Officer* may direct. Each separately priced *line item* for VE services *shall* define specifically the scope of work to be accomplished and *may* include VE studies of items other than design documents. The Contractor *shall* be paid as the contract specifies for this effort, but *shall* not share in savings which *may* result from acceptance and use of VEP's by the Government.

(b) *Definitions.* "Life cycle cost," as used in this clause, is the sum of all costs over the useful life of a building, system or product. It includes the cost of design, *construction, acquisition, operation, maintenance, and salvage (resale) value, if any.*

Value engineering, as used in this clause, means an organized effort to analyze the functions of systems, equipment, facilities, services, and *supplies* for the purpose of achieving the essential functions at the lowest life cycle cost consistent with required performance, reliability, quality, and safety.

Value engineering proposal, as used in this clause, means, in connection with an A-E contract, a change proposal developed by employees of the Federal Government or contractor *value engineering* personnel under contract to an agency to provide *value engineering* services for the contract or program.

(c) *Submissions.* After award of an architect-engineering contract the contractor *shall*-

(1) Provide the Government with a fee breakdown schedule for the VE services (such as criteria review, task team review, and bid package review) included in the contract schedule;

(2) Submit, for approval by the *Contracting Officer*, a list of team members and their respective resumes representing the engineering disciplines required to complete the study effort, and evidence of the team leader's qualifications and engineering discipline. Subsequent changes or substitutions to the approved VE team *shall* be submitted *in writing* to the *Contracting Officer* for approval; and

(3) The team leader *shall* be responsible for pre-study work assembly and *shall* edit, reproduce, and sign the final report and each VEP. All VEP's, even if submitted earlier as an individual submission, *shall* be contained in the final report.

(d) *VEP preparation.* As a minimum, the contractor *shall* include the following information in each

VEP:

(1) A description of the difference between the existing and proposed design, the comparative advantages and disadvantages of each, a justification when an item's function is being altered, the effect of the change on system or facility performance, and any pertinent objective test data.

(2) A list and analysis of design criteria or specifications that *must* be changed if the VEP is accepted.

(3) A separate detailed estimate of the impact on project cost of each VEP, if accepted and implemented by the Government.

(4) A description and estimate of costs the Government *may* incur in implementing the VEP, such as design change cost and test and evaluation cost.

(5) A prediction of any effects the proposed change *may* have on life cycle cost.

(6) The effect the VEP will have on design or *construction* schedules.

(e) *VEP acceptance*. Approved VEP's *shall* be implemented by bilateral modification to this contract.

(End of clause)

Parent topic: [52.248 \[Reserved\]](#)