# Value Engineering Screening & Strategy Selection Tool for Projects/Programs/Procurements

http://www.usace.army.mil/ValueEngineering.aspx

## LEGEND

**Value Activity**
(Addresses VE Requirements with VMP)
- Results count toward CA/CS (V1)
- Results do not count toward PC (V2)
- Results count toward Compliance (V3)

**Value Workshop**
(Meets VE Standard)
- Results count toward CA/CS (V1)
- Results count toward Program Coverage (V2)
- Results count toward Compliance (V3)

**Federally Funded**
- No → **Not Required**
- Yes ↓

**Over $2M**
- No → **Default to "Not Required"** (Can be overridden by VEO, if potential identified when bundled/grouping of like projects)
- Yes ↓

**VE Opportunity Screen**
- No → **Low Opportunity** (Addresses VE Requirements with VMP – Does Not Meet Standard)
- Yes → **Level Of Effort** (Workshop – meets standard and standard of care)

Typically Lower Level of Effort ← → Typically Higher Level of Effort

### No Action (VMP Only)

**Applicability:**
- Low complexity and low dollar value
- Routine projects
- Highly constrained
- Low opportunity for beneficial change

**Constraints:**
- > $10M requires MSC & HQ CVO approval

**Effort:**
- Creation of the VMP

**When**
- Not later than 35%

### Bridge

**Applicability:**
- Applies programmatic study results to a project, IOW it Connects (Bridges) Programmatic Study results to Project

**Constraints:**
- Programmatic Study IAW standards
- $2-$10M Requires MSC VPgM approval or one organizational unit higher.
- > $10M requires both MSC & HQ CVO Appr.

**Effort:**
- Conducted by VEO

**When**
- Prior to 35% Design

### Scan

**Applicability:**
- Reference previous study results
- May be used with a LOE to jump start a workshop but scan without Function Analysis = Low Opp.

**Constraints:**
- $2-$10M Requires MSC VPgM approval or one organizational unit higher.
- > $10M requires both MSC & HQ CVO Appr.

**Effort:**
- Conducted by VEO

**When**
- Prior to 35% Design

### Value Planning (Level 1)

**Applicability:**
- Phase 1 VE for All proj.
- Can be Integrated with other processes
- Key Examples: SRM, CoS projects, fuels projects, levee repairs, large CW, MP, or CAP Projects
- May be combined with other LOE

**Constraints:**
- Tasks with greater value and complexity require additional VE
- Typically integrated

**Effort:**
- 1.5- 5 days typical

**When**
- Prior to 15% design

### Abbreviated Study (Level 2)

**Applicability:**
- Repetitive type tasks that are low in complexity.

**Constraints:**
- Limited to low complexity or as second effort.
- Key Examples: Reserve Center, Hangars, small flood protection and, small navigation projects, etc.

**Effort:**
- 3 days typical

**When**
- Prior to 35% design

### Standard Study (Level 3)

**Applicability:**
- All tasks, especially those w/high value & complexity

**Constraints:**
- Must be independent or blended
- Key Examples: Hospitals, Schools, Labs, Dams, Levees, etc.

**Effort:**
- 5+ days

**When**
- Prior to 60% Design

### Problem Resolution (Level 4)

**Applicability:**
- Projects with scope, budget or schedule challenges

**Constraints:**
- Not allowed as initial strategy
- Must be independent or blended
- $2-$10M Requires MSC VPgM approval or one organizational unit higher.
- > $10M both MSC & HQ CVO Appr.

**Effort:**
- 5+ days

**When**
- 60% design or later

### Programmatic (Level 5)

**Applicability:**
- Programmatic and Strategic studies
- Key Examples: Standard Designs, Design Standards, ANSF, Dredging, Roofing, CoS

**Constraints:**
- Independent or blend
- If all projects together are $2-$10M, Requires MSC Approval or one organizational unit higher.
- >$10M both MSC & HQ CVO Appr.

**Effort:**
- Typical duration 7-14 days

**When**
- Anytime

### Enterprise (Level 6)

**Applicability:**
- Tasks that will have command wide impact.
- Key Examples: Customer level (AR, DLA, AF, etc…)
- Satisfies VE for PC

**Constraints:**
- Can be independent or blended
- Initiated by HQUSACE
- Counts towards: Program Coverage

**Effort:**
- Typical duration 7-14 days

**When**
- Anytime

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**Recommend Appropriate Strategy**
(Refer to Screening and Strategy Selection Tool, recommend to PDT during or after Acquisition Strategy Meeting ASM)

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**Create VMP**
(Document Strategy)

Version: 3.0.0