



**US Army Corps
of Engineers®**

ENGINEERING AND CONSTRUCTION BULLETIN

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Subject: Automated Value Engineering (VE) Screening and Strategy Selection Tool

Applicability: Directive

1. The purpose of this ECB is to reinforce the existing Project Management Business Plan (PMBP) requirement to include a Value Management Plan (see REF8023G Value Management Plan (VMP)) in every Program and Project Management Plan (PgMP/PMP). The VMP is an enterprise effort that requires the Project Manager (PM), Value Engineering Officer (VEO) and the Project Delivery Team (PDT) to ensure that Value Activities are scheduled and resourced in P2; established and documented in the VMP during program/project initiation; and the implementation of accepted VE proposals is documented/reported to as required.
2. The VE Screening and Strategy Selection tool automates the required VMP development by documenting key decisions regarding VE goals, objectives and execution strategy. The tool assists the VEO with identifying projects that will benefit from application of value engineering, in contrast to those determined to have low opportunity. The tool adds flexibility in the application of VE by defining eight levels of effort to focus the strategy for best results. The automating of the screening process applies a consistent/disciplined tool to ensure compliance with statutory and regulatory requirements are attained; and VE performance is visible to leadership early in project initiation and planning phases.
3. The path forward is to utilize the subject tool to assist the VE COP in the development of their FY14 Annual Plan due in November. The HQ Team will continue to finalize key web based training and assist MSC VE PgM's/VEO's with basic awareness briefings through PM community. The attached process flow map and information paper provide a general overview of the tool functions, and links to more detailed information/instructions.
4. Point of contact for this ECB and the Value Engineering Program is Jeffery T. Hooghouse, Chief, Office of the Value Engineer, HQUSACE, 202-761-5533, Jeffery.T.Hooghouse@usace.army.mil.

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US Army Corps of Engineers
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Information Paper

August 1, 2013

**SUBJECT: U.S. ARMY CORPS OF ENGINEERS (USACE)
VE Screening/Strategy Selection/Value Management Plan (VMP) Tool**

1. **BACKGROUND:** The primary challenge in meeting VE statutory/regulatory requirements is adherence to policy for the preparation and inclusion of the Value Management Plan (VMP) in the Program/Project Management plans (PgMP/PMP) per USACE Project Management Business Process (PMBP, REF8023G). To develop appropriate courses of action, HQ USACE held two strategic level VE workshops early in FY13. The objectives of the workshops were to ensure VE process and activities are fully integrated into the PMBP; automate preparation of the VMP; ensure required VE studies are resourced/scheduled and compliance documented; and to provide the capability to store, retrieve, and re-use VE proposals, enhancing the ability to build on past VE Study efforts.

2. **KEY OUTCOMES:** The primary outcome of the workshops was the development of an automated VE Screening tool which identifies “Opportunity for VE” vs “Low Opportunity”. The tool allows selection of the most appropriate level of effort when “Opportunity for VE” is determined, and documents all VE decisions made in the VMP. The workshop also developed a schematic Value Program Management System that will enable USACE to capture VE results at the alternative level (including implementation results); provide capability for convenient search/recovery/reporting; and provide for quick VE workload management.

4. The automated VE Screening Tool

(https://kme.usace.army.mil/VE/USACE_VE_Teamsite/ScreeningTool/default.aspx) consists of a series of worksheets prepared by the VEO that conclude with the VMP, which is then inserted by the PM into the PgMP/PMP. For detailed information regarding the tool itself, please refer to:

- The VE Screening Tool Training Video
(\\hq-netapp1.hq.ds.usace.army.mil\ACE_Video\ScreeningStrategySelectionVMP_video_v3.mp4)
- The narrative description of the Screening Tool and the detailed FINAL VE Workshop reports:
(https://kme.usace.army.mil/VE/USACE_VE_Teamsite/ScreeningTool/default.aspx)

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



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

