



# The 39th CVS Examination



Date: Oct. 20th, 2018 1:30pm-4:30pm

Location: Tokyo and other cities

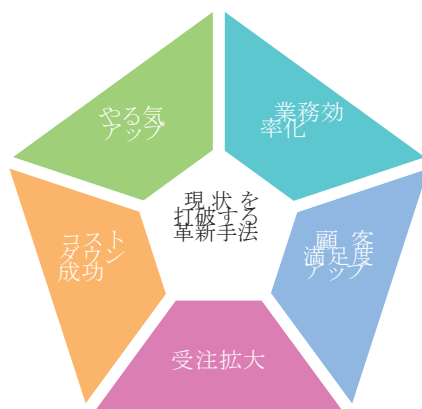
Fee: 32,400 yen

Application: due date: Sep. 21<sup>st</sup>, 2018

## VE – Energizing Your Organization

## Value Enhanced with CVS Certification

## for Your Company and Yourself!



### WHAT IS VE?

Value Engineering (synonymous with the terms value management and value analysis) is a professionally applied, function-oriented, systematic team approach used to analyze and improve value in a product, facility design, system or service -a powerful methodology for solving problems and/or reducing costs while improving performance/quality requirements. By enhancing value characteristics, Value Engineering increases customer satisfaction and adds value to your investment. Value Engineering can be applied to any business or economic sector, including industry, government, construction and service. Using Value Engineering is a very successful long-term business strategy.

### WHAT IS CVS CERTIFICATION?

In 1959 Society of American Value Engineers was founded and CVS program was established in 1972 as a premier professional certification program in VE.

The CVS program is established to recognize highly-skilled individuals with essential knowledge to practice, promote and lead VE studies as well as train people in VE. The CVS program is certified by both SAVE International and SJVE.

CVS designation is widely recognized when hiring outside consultants to conduct VE study and lead VE teams and leaders for public projects by federal and state governments in the US.

### WHY IS CVS IMPORTANT?

While environmental issues become more and more challenging, it is not only the matter of companies or organizations to deal with them, but the behavior of each individual citizen should also be responsive to these challenges. Through creativity resources can be more effectively used and VE is needed to be more promoted and necessary skills for VE application is essential for building high value human resources. CVS certification will contribute to all of these competencies.

A variety of skills such as effective communication, presentation and facilitation can be acquired by practicing VE. It is a worthwhile certification program for professional development.



[www.sjve.org](http://www.sjve.org)

## Top 10 Companies with Certified CVS

## Certified CVS by Country

#	Organization	Certified CVS
1	The SANNO Institute of Management	7
2	Mitsubishi Electric Corporation	6
3	IHI Corporation	5
4	Panasonic Corporation	4
	Fujita Corporation	4
6	Isuzu Motors Co., Ltd.	3
7	Azbil Corporation	2
	CANON Inc.	2
	CTI Engineering Co., Ltd.	2

(As of March 8, 2018)

#	Country	Certified CVS
1	South Korea	449
2	USA	262
3	Japan	148
4	India	19
	Saudi Arabia	19
6	Canada	17
7	Hungary	14
8	China	7
9	Taiwan	4
10	UK	3
	South Africa	3

(As of January 31, 2018)

## Interviewing Successful CVS Applicant



Norihiro Ichikawa, CVS

Mitsubishi Electric Corp.

### 1. Introduction

I am engaged in in-house VE promotion. In order to effectively promote VE activities throughout the company, it is important for each department section to deal with its individual challenges and develop countermeasures to overcome the issues and fully implement the action plan. To do this, I thought I should further improve my knowledge and applied skills in VE and decided to challenge towards CVS certification.

### 2. How I prepared for CVS exam

Qualification for CVS applicant is reviewed and tested not only through his/her knowledge base in VE but practical experiences and applied skills too. Planning and encouraging VE promotion plan including VE practice in all steps of job plan for every subject topic, countermeasure planning to overcome constraints, acquiring implementation skills of VE alternative are specifically important among many other factors. I have carefully reviewed and read the main textbooks on VE, organized the contents and important points by category based on VE knowledge base and VE skills necessary for different levels of certification. I provided the company divisions with necessary assistance in addressing their problems and plan countermeasures accordingly. This experience helped me a lot in obtaining practical skills of VE

### 3. Points to remember during CVS exam

The CVS examination is an in-class essay test with a duration of 3 hours. You should never re-write your answers/essays as this will be a big waste of time. Therefore, you should first read all the test problems carefully and think about what the test giver expects to hear from the examinee and compose a flow of answers in your head according to his/her intension. Then, you should clearly and simply write the answers/essays with your own words.

### 4. In Closing

It is my desire to help people involved in VE activities and make them happy which may result in a way to contribute to the society. As the concept of value depends on the people and situations, a VE professional should be capable in doing VE at any stage of any project/subject. I strongly recommend taking CVS certification for those who seek to improve their practical VE competencies.

# Overview - CVS Examination

CVS certification exam is conducted in written and in-class format. For more details on the certification testing, please refer the criteria of knowledge base and skills for certified VEL, VES and CVS established by SJVE.

## Criteria of knowledge base

The chart below describes the criteria and areas of knowledge as a guideline for those people aiming to attain VEL, VES or CVS certification. The circles in the chart mean:

- : understands the contents of this particular knowledge area
- ◎: understands the contents of this particular knowledge area and can explain it to others

知識領域			資格			
領域区分	内容	VEL	VES	CVS		
VEの概要	VEの必要性	VEの社会的貢献	◎	◎	◎	
		資源の有効活用	◎	◎	◎	
		自然環境維持への貢献	◎	◎	◎	
	VEの経営への貢献	事業環境の変化への対応	◎	◎	◎	
		顧客満足への貢献	◎	◎	◎	
		米田におけるVE	◎	◎	◎	
	VEの歴史	VE誕生の経緯	◎	◎	◎	
		政府機関におけるVEの活用経緯	◎	◎	◎	
		SAVEインターナショナルの活動	◎	◎	◎	
	日本におけるVE	日本におけるVE導入経緯	◎	◎	◎	
		日本におけるVE発展経緯	◎	◎	◎	
		日本VE協会の活動	◎	◎	◎	
	VEの定義と原則	VEの定義	ライフサイクル・コストの概念	◎	◎	◎
			必要な機能の意味	◎	◎	◎
			機能的研究の意義	◎	◎	◎
			組織的協力の意義	◎	◎	◎
			VEの定義の意義	◎	◎	◎
		VEの基本原則	使用者優先の原則	◎	◎	◎
機能本位の原則			◎	◎	◎	
創造による変更の原則			◎	◎	◎	
チームデザインの原則			◎	◎	◎	
価値向上の原則			◎	◎	◎	
価値概念	VEにおける価値の概念	◎	◎	◎		
	価値(V)=機能(F)/コスト(C)の概念	◎	◎	◎		
VE適用対象と段階	VEの適用対象	VEの適用対象	◎	◎	◎	
		適用対象ごとのVE適用上の特徴	◎	◎	◎	
	VEの適用段階	ライフサイクルにおける適用段階	◎	◎	◎	
		適用段階ごとのVE適用上の特徴	◎	◎	◎	
		適用段階と活動形態	◎	◎	◎	
VE実施手順	既存システム改善	開発型VEと支援型VE	◎	◎	◎	
		実施手順	◎	◎	◎	
		新規システム開発の実施手順との相違点	◎	◎	◎	
新規システム開発	実施手順	新規システム開発における支援型VEの適用の要点	◎	◎	◎	
		実施手順	◎	◎	◎	

[ VE Certification knowledge and skills ]

## Criteria of skills

The chart below describes the criteria and areas of VE skills as a guideline for those people aiming to attain VEL, VES or CVS certification.

The circle ● in the chart means that the certified individual is able to perform this particular area of VE skill.

It is our intent that each certified person can perform these skills based on the premise that he/she fully understands the subject of VE study

スキル領域			資格		
領域区分	内容	VEL	VES	CVS	
VEの実施手順	既存システム(製品・サービス)改善へのアプローチ	機能定義段階	◎	◎	◎
		VE対象の情報収集の計画を立てることができる	◎	◎	◎
		計画に基づいて情報が収集できる	◎	◎	◎
		収集した情報を整理できる	◎	◎	◎
		収集した情報が必要かつ十分であることを確認できる	◎	◎	◎
		VE対象を適切な構成要素に分解できる	◎	◎	◎
		適切な機能の定義ができる	◎	◎	◎
		機能の定義の妥当性を判断できる	◎	◎	◎
		適切な機能系統図の種類を選定できる	◎	◎	◎
		適切な機能の評価ができる	◎	◎	◎
		機能系統図の妥当性を判断できる	◎	◎	◎
		VE対象に応じた機能定義段階の指導ができる	◎	◎	◎
	機能評価段階	適切な現行コストの精算を把握できる	◎	◎	◎
		構成要素と機能分野の関連を明確にできる	◎	◎	◎
		機能別コスト分析で用いる配賦計算の方法を選択できる	◎	◎	◎
		構成要素の現行コストを機能分野に配賦できる	◎	◎	◎
		適切な機能の評価方法を選択できる	◎	◎	◎
		機能評価値を算定できる	◎	◎	◎
代替案作成段階	機能評価値の妥当性を判断できる	◎	◎	◎	
	適切な機能系統図に基づいて適切な対応を提案できる	◎	◎	◎	
	VE対象に応じた機能評価段階の指導ができる	◎	◎	◎	
	機能系統図上でアイデア発想機能を選択できる	◎	◎	◎	
	アイデア発想で活用する技法を選択できる	◎	◎	◎	
	機能本位にアイデア発想ができる	◎	◎	◎	
既存システムのVE提案	アイデアの継続評価の適否を判断できる	◎	◎	◎	
	アイデアの具体化ができる	◎	◎	◎	
	詳細評価を計画できる	◎	◎	◎	
	代替案の詳細評価ができる	◎	◎	◎	
	技術性と経済性の評価結果から、提案すべき代替案を決定できる	◎	◎	◎	
	裏付け資料の適否を判断できる	◎	◎	◎	
VE対象に応じた代替案作成段階の指導ができる	VE対象に対して提案内容を決定できる	◎	◎	◎	
	提案者に対して提案内容を決定できる	◎	◎	◎	
	決まった提案内容について提案資料を作成できる	◎	◎	◎	
	提案内容を簡潔に伝え、質問に的確に回答できる	◎	◎	◎	
		◎	◎	◎	
		◎	◎	◎	

<https://www.sjve.org/certify>

# CVS Certification Requirements

## 1. Study VE

Meet any one of the following ① or ②

- ① Successfully complete the SAVE/SJVE approved 72-hour VE workshop seminar.

[List of approved VE workshop seminar courses] <https://www.sjve.org/certify/cvs/wss>

- ② For Certified VE Specialist (VES): Successfully complete all of the 4 seminars in Value Design School Advanced Course

[Course details] <https://www.sjve.org/school>

## 2. Practice VE

Meet all of the following points required for each category ① – ③:

- ① Category 1: Acquire a minimum of 48 points in VE study and VE promotion activities.
- ② Category 2: Acquire a minimum of 30 points in attendance at VE related seminars, conferences, study meetings, etc.
- ③ Category 3: Acquire a minimum of 10 points in VE related speaking, teaching, presenting and assisting in CSR activities.

## 3. VE Paper/Dissertation

Present a professionally reviewed technical paper related to VE, being the applicant the sole author, or the main author in case of joint authorship.

## Application Procedures

### From SJVE Website

<https://www.sjve.org>

View detailed information and download application

April 2 – September 21, 2018

Pay the applicable amount of certification fee and submit the application documents to SJVE.

Review application documents

September 28, 2018

Admission ticket for CVS exam will be mailed to those who successfully pass the application document review.

October 20, 2018

CVS Examination

After October 22, 2018

Exam result will be mailed to applicants in writing within 6 weeks from the exam date.

Depending on the results of the paper exam, an interview session may be held as necessary.

Successful applicants must pay the CVS maintenance fees periodically to keep the certification status current.

## Standard Textbooks

### The fundamentals of VE -New Edition

The true bible of VE – with a total sale of 150,000 copies



### Guidebook of VE Terminology

A comprehensive glossary of VE terms



### VE Handbook – Trade Edition

The compilation of VE theory, techniques and practical cases of application



For more information, visit [www.sjve.org](http://www.sjve.org)

### Contact

公益社団法人

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