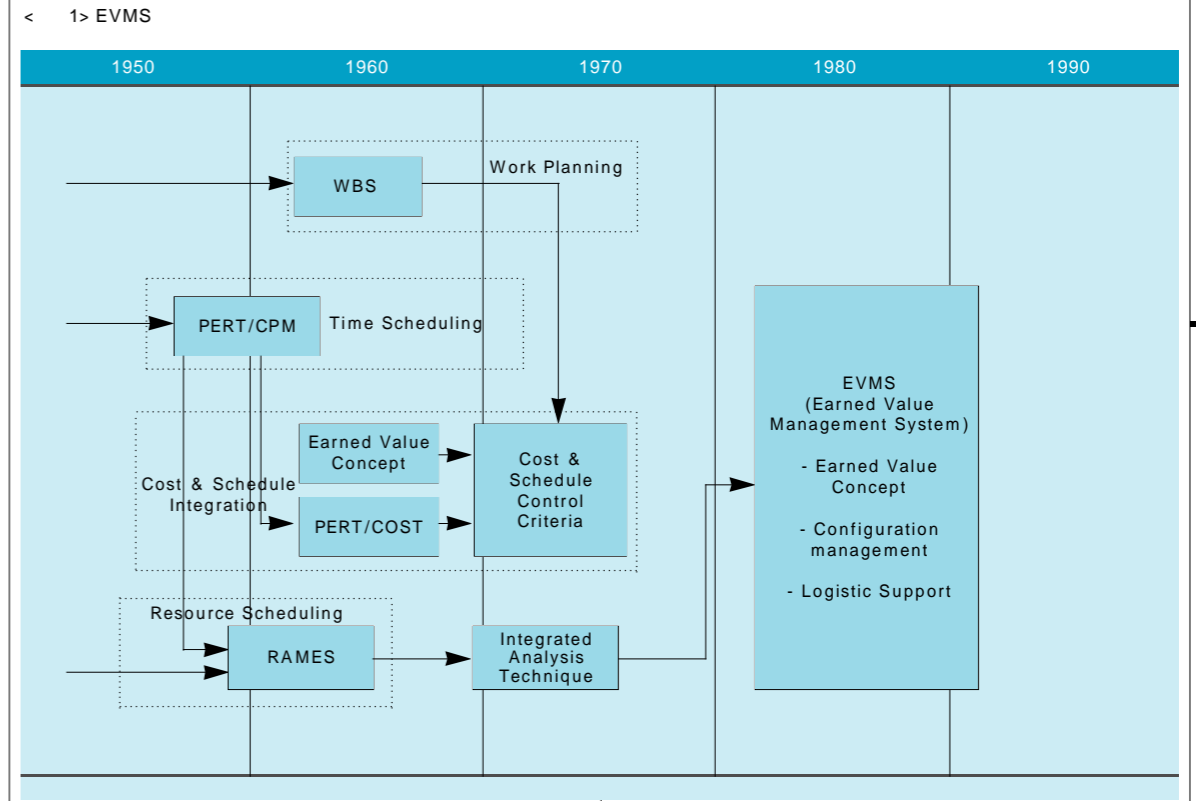
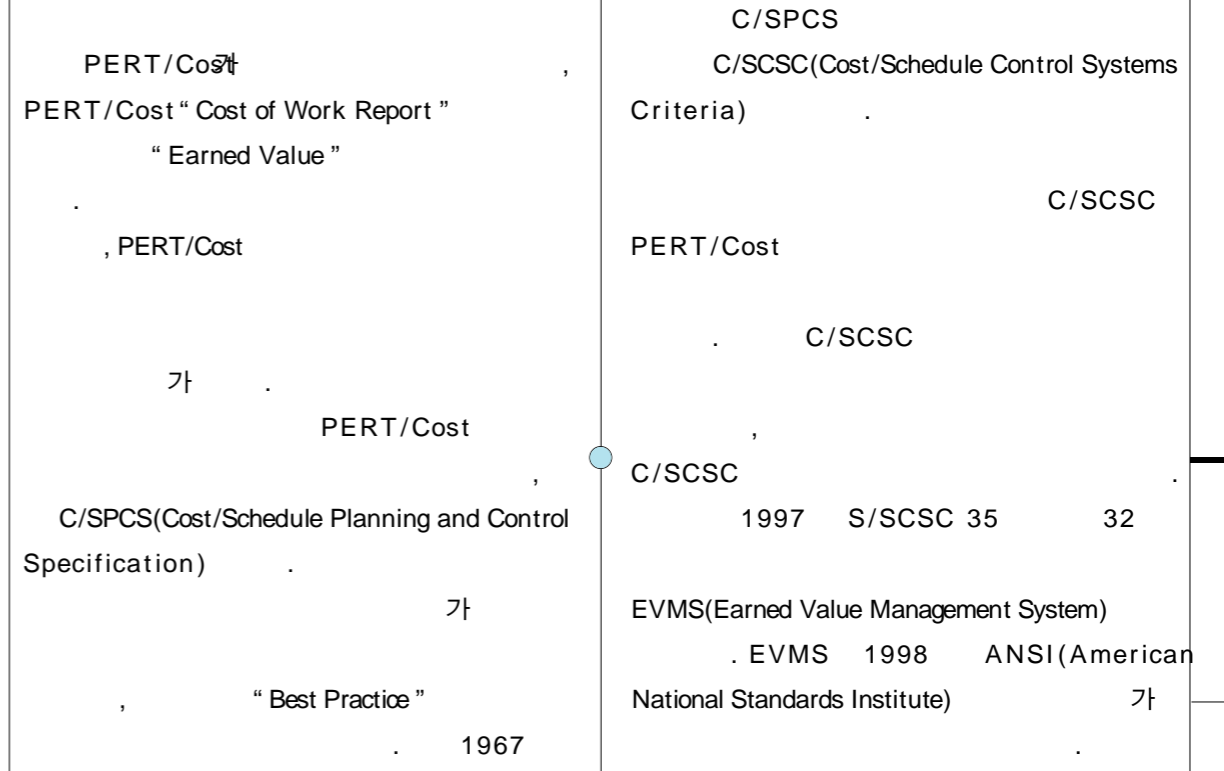
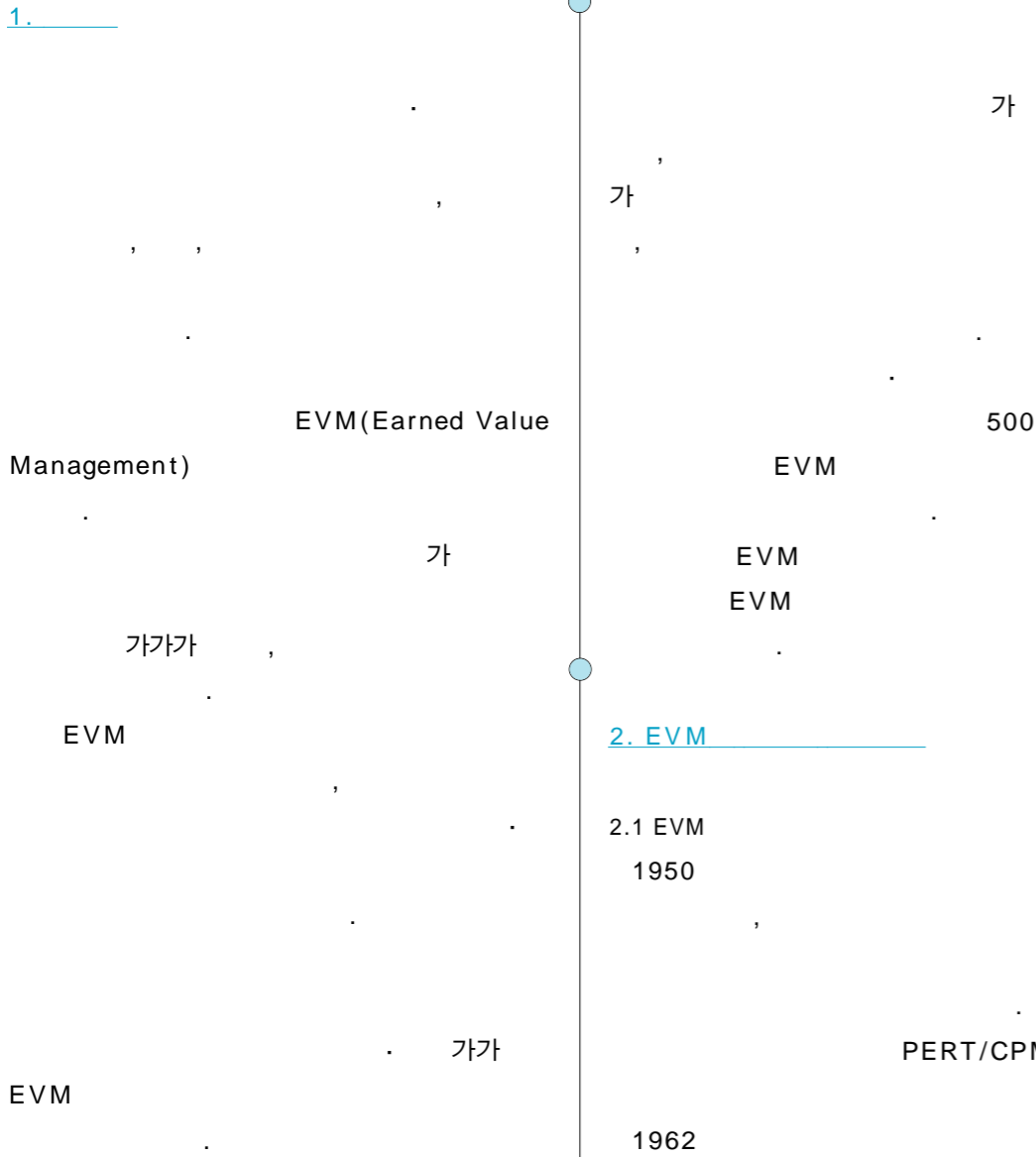


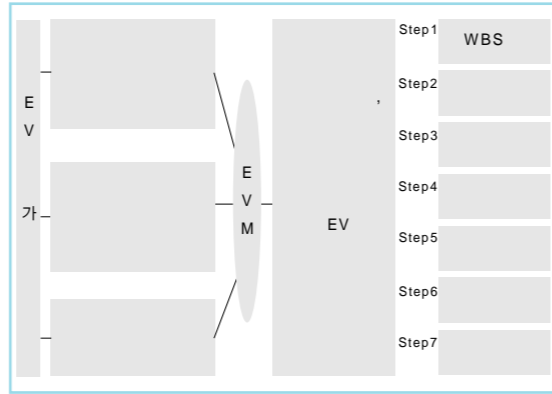
EVM

Tel : 031)9100-417
E-mail: yslee@kict.re.kr



2.2 EVM

가 .EVM



< 2> EVM

가

EVM
EV

EV 가

EVM

2.3 EVM
EVM

EVM “

Fleming Koppelman(1996) EVM “

ANSI EVMS < 1>

5 32

(1)
EVM

WBS(Work Breakdown Structure)

OBS

(Organization Breakdown Structure)

가

WBS

(Roadmap) WBS

OBS가

가

< 1> EVM	
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14.	(MR)
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32.	

(Control Account)

(Work Package)

(2)

WBS

Measurement Baseline)

(Performance

1

1

(activity, task)

PERT/CPM

(3)

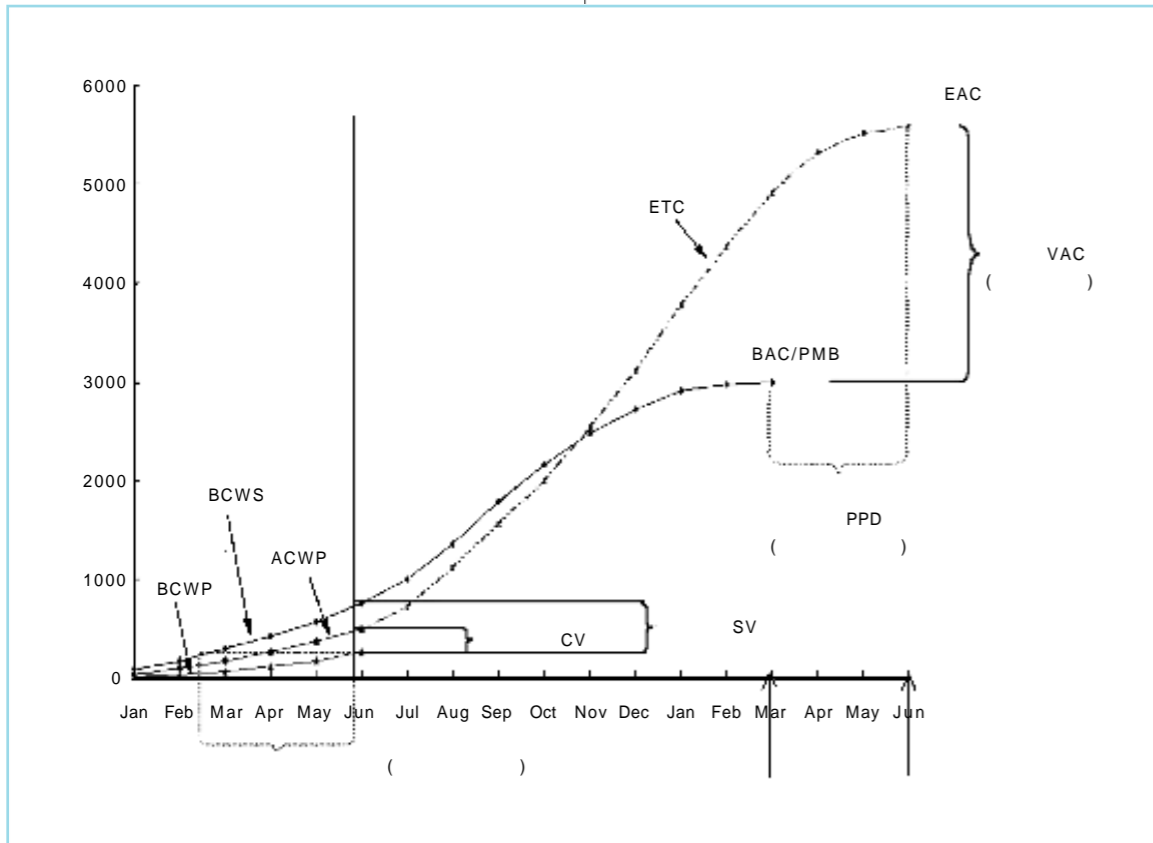
가

(4)

(5)

< 2> < 3>

(PMB)



< 3> EVM

< 2>		
Budgeted Cost for Work Scheduled	BCWS	
Budgeted Cost for Work Performed (Earned Value)	BCWP (EV)	()
Actual Cost for Work Performed	ACWP	
Schedule Variance	SV	(BCWP-BCWS)
Schedule Performance Index	SPI	(BCWP/BCWS)
Cost Variance	CV	(BCWP-ACWS)
Cost Performance Index	CPI	(BCWP/ACWS)
Estimate To Complete	ETC	
Estimate At Complete	EAC	
Variance At Complete	VAC	

3. EVM

1980 가 EVM EVM
 1993 IPMC (International Performance Measurement Council) 1995 , ,
 가 EVM
 EVM , ISO 9000
 EVM 3
 가

(1) 1965 C/SCSC EVM
 (DOD) , EVM
 가 .
 1996 C/SCSC .
 EVM , 1998 EVM
 가 (ANSI/EIA-748-1998)
 , EVM 가
 (cost plus fee)
 , (fixed price contracts)
 (2) EVM 가
 가 가 1983
 , 가 200
 EVM 가
 가
 (actual cost data)
 (3) 1996 가 BS607 EVM
 , EVM
 EVM 가
 1998 EV 가

EVM
 EVM
 (4) 1999 IPMC 가
 PM 2004
 EVM 가 , 2002
 EVM 가
 2004 EVM
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 4. EVM
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 EVM 가

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가 . EVM

4.2

EVM 가 가

4.3

EVM 3>

가 , EVM

EVM

가 , EVM

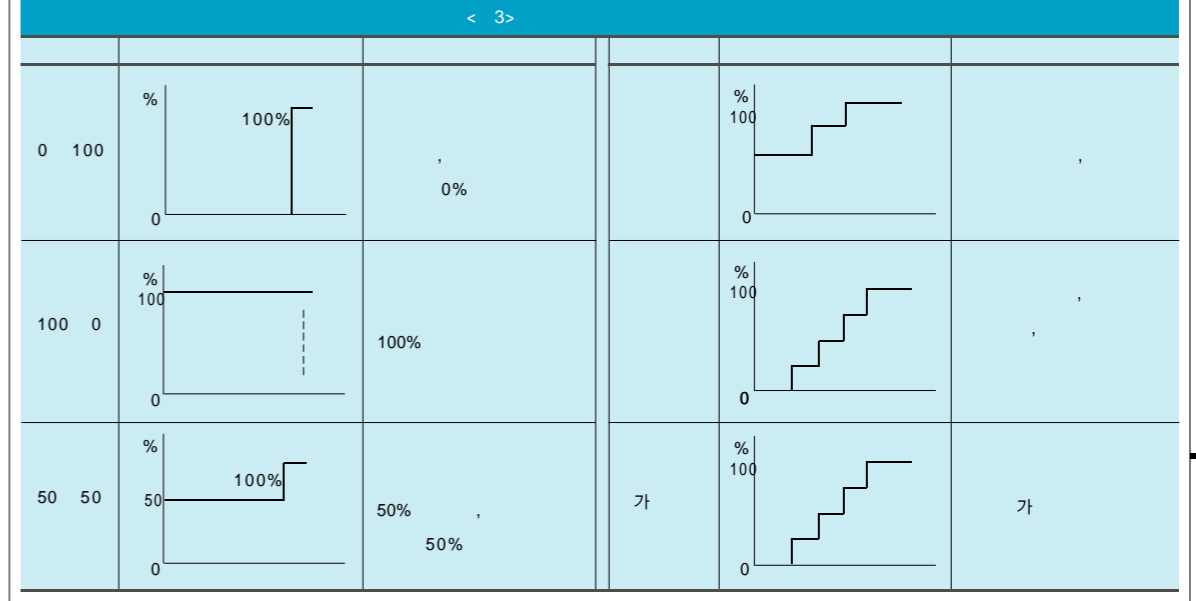
가 EVM

(BCWS) :

(BCWP) :

(ACWP) :

가 (ACWP)

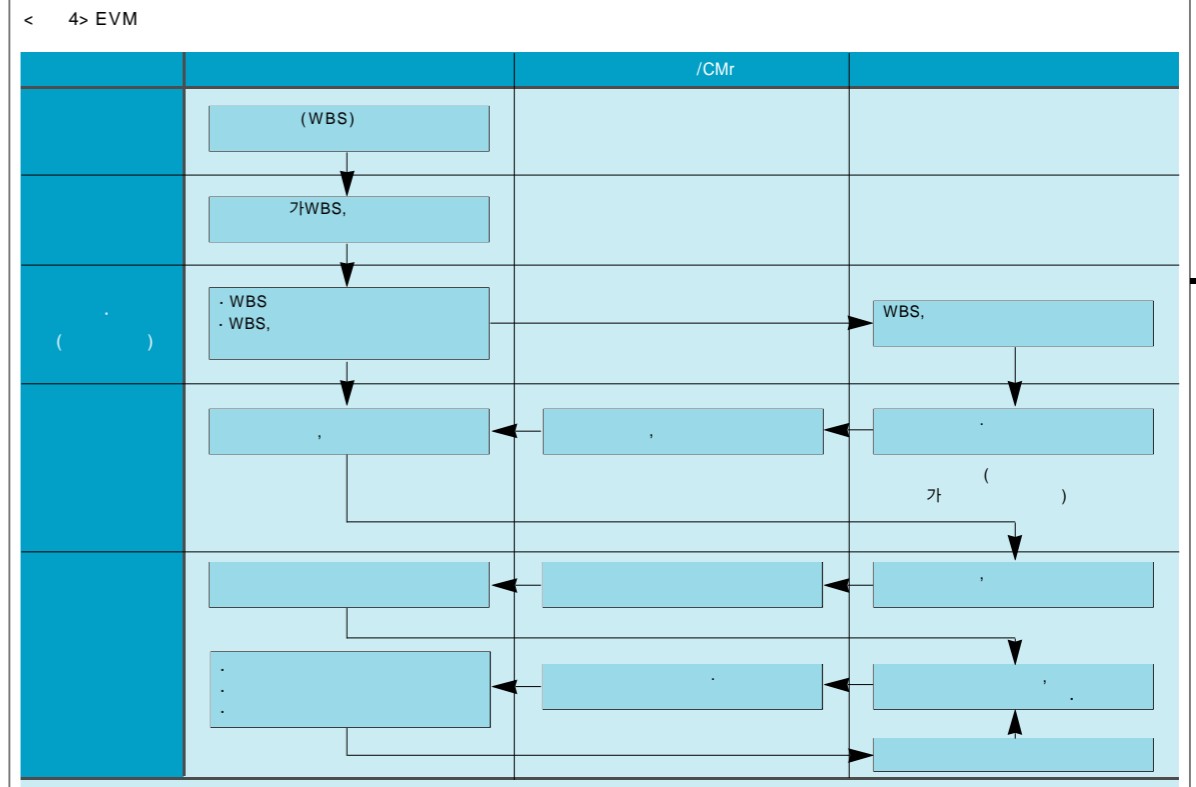


4.4 EVM EVM

EVM

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< 4>



가 (WBS)

가

- (1) , " -
" ; 2000. 6
- (2) , Earned Value Management System , ,
 , 2000.6 3. " " ; 2000.
- (3) , " EVMS " , 1999.
- (4) David S. Christensen, " The Cost and Benefits of The Earned Value Management Process " ; 1998.
- (5) DOD, " EVMS Implementation Guide " ; 1997.
- (6) DAO, " Australian C/SCSC ; Implementation Guide " ; 1994.
- (7) Quentin W.Fleming & Joel M. Koppelman, " EVPM " ; 1996.
- (8) LA CMTA, " Earned Value Clear and Simple " ; 1999.
- (9) PMI, " Guide to PMBOK " ; 1996.
- (10) Wayne F. Abba, " Earned Value Management - Reconciling Government and Commercial Practices " ; 1997.
- (11) <http://www.acq.osd.mil/pm/> ()
- (12) <http://www.dao.defence.gov.au/> ()
- (13) 芝尾芳昭, 프로젝트마네ジメント革新, 生産性出版, 1999

가

5.

EVM

EVM

가

가

EVM

EVM

EVM

가

(WBS)

CPM

가

EVM