APPENDIX B—DOE EVMS GOLD CARD
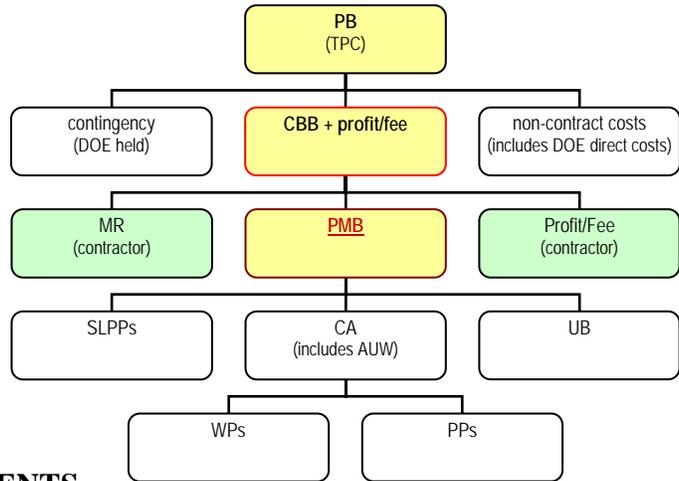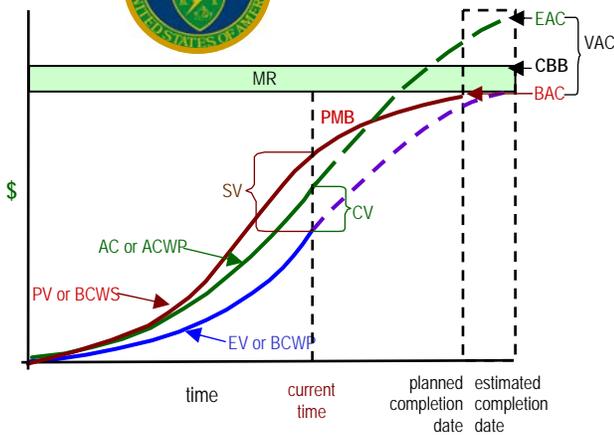
PERFORMANCE BASELINE COMPONENTS

PB	= CBB + contingency + non-contract costs		= performance baseline (TPC, total project cost)
contingency	=		= held by DOE & based on technical and programmatic risks
CBB	= PMB + MR		= contract budget base
PMB	= CAs + UB + SLPPs		= performance measurement baseline
MR	=		= management reserve (held by contractor based on contractor risks)
SLPP	=		= summary level planning package
AUW	=		= authorized unpriced work (contractually approved but not yet negotiated)
CA	= WPs + PPs		= control account (includes AUW, lowest WBS element assigned)
UB	=		= undistributed budget (activities not yet distributed to CA)
WP	=		= work package (near-term, detail-planned activities within a CA)
PP	=		= planning package (far-term activities within a CA)

EVMS BASIC COMPONENTS[1]

AC	= actual cost	= ACWP	= actual cost of work performed
EV	= earned value	= BCWP	= budgeted cost for work performed
PV	= planned value	= BCWS	= budgeted cost for work scheduled
BAC	= cumulative PV	= cumulative BCWS	= budget at completion

VARIANCES[1]

CV	= EV - AC	= BCWP - ACWP	= cost variance
SV	= EV - PV	= BCWP - BCWS	= schedule variance
CV %	= (EV - AC)/EV	= (BCWP - ACWP)/BCWP	= cost variance, percentage
SV %	= (EV - PV)/PV	= (BCWP - BCWS)/BCWS	= schedule variance, percentage
VAC	= BAC - EAC		= variance at completion

OVERALL STATUS

% scheduled	= PV_{cum}/BAC	= $BCWS_{cum}$/BAC	
% complete	= EV_{cum}/BAC	= $BCWP_{cum}$/BAC	
% budget spent	= AC_{cum}/BAC	= $ACWP_{cum}$/BAC	
WR	= BAC - EV_{cum}	= BAC - $BCWP_{cum}$	= work remaining
BR	= BAC - AC_{cum}	= BAC - $ACWP_{cum}$	= budget remaining

PERFORMANCE INDICES[1]

CPI	= EV/AC	= BCWP/ACWP	= cost performance index
SPI	= EV/PV	= BCWP/BCWS	= schedule performance index
$TCPI_{BAC}$	= WR/BR		= to complete performance index, BAC
$TCPI_{EAC}$	= WR/ETC		= to complete performance index, EAC

COMPLETION ESTIMATES

EAC	= BAC/CPI_{cum}		= estimate at completion, general
EAC_{CPI}	= AC_{cum} + WR/CPI_{cum}		= estimate at completion, CPI
$EAC_{composite}$	= AC_{cum} + WR/(CPI_{cum}* SPI_{cum})		= estimate at completion, composite
LRE	=		= latest revised estimate (contractor's, assessed monthly, annual bottoms-up)
ETC	= EAC - AC_{cum}		= estimated to complete

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[1] Calculations based on AC, EV, and PV may be based on various time periods, i.e. monthly, cumulative (cum), last 3 months,…