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Homework Assignment: #10-26

PMGT501

Date: October 26, 2012

ePortfolio Matrix Correlation: e.g. C4 (Execute-Integration)

Using the budget plan and reporting form below, generate an earned value performance report for the end of work period 8. Identify any project issues you would elevate to management.

ID	Budget 0 (\$000)	1	2	3	4	5	6	7	8	9	10	11	12
A	40	10	10	10	10								
B	32	8	4	8	4	8							
C	48					12	12	12	12				
D	18						6	2	2	2	6		
E	28						8	8	12				
F	40											20	20
Total	206	18	14	18	14	20	26	22	26	2	6	20	20
Cumulative		18	32	50	64	84	110	132	158	160	166	186	206

Budget Plan

Status Report: Ending Period 8

Task	% Complete	EV	AC	PV	CV	SV
A	100%		35			
B	100%		24			
C	100%		32			
D	33%		20			
E	100%		20			
Cumulative Totals			131			

Solution

Formulas:

EV = How much of the planned task work has been completed:

Task A: 100% of task A has been completed: EV = 40

Task B: 100% of task B has been completed: EV = 32

Task C: 100% of task C has been completed: EV = 48

Task D: 33% of task D has been completed: EV = 6

Task E: 100% of task E has been completed: EV = 28

PV = How much work was planned to have been completed at this reporting date

Task A: 40 had been planned for completion by the end of week 8

Task B: 32 had been planned for completion by the end of week 8

Task C: 48 had been planned for completion by the end of week 8

Task D: 10 had been planned for completion by the end of week 8

Task E: 28 had been planned for completion by the end of week 8

CV = EV – AC: Cost variance = what was planned to spend vs. actual cost

SV = EV – PV: Schedule variance = planned work (cost) vs. actual work (cost)

Performance Report:

Status Report: Ending Period 8

Task	% Complete	EV	AC	PV	CV	SV
A	100%	40	35	40	5	0
B	100%	32	24	32	8	0
C	100%	48	32	48	16	0
D	33%	6	20	10	-14	-4
E	100%	28	20	28	8	0
Cumulative Totals		154	131	158	23	-4

Issues to elevate:

Task D is seriously over budget and behind schedule. We have spent \$20K and only realized \$6K work of deliverables. Further, our schedule shows us being half complete, and we are less than one-third complete. Since we have performed better than expected on other tasks our budget is not at risk. But this task is on the critical path, so our schedule is now being pushed to the right.

Knowledge Areas	Project Management Process Groups				
	A Initiating Process Group	B Planning Process Group	C Executing Process Group	D Monitoring & Controlling Process Group	E Closing Process Group
4. Project Integration Management	4.1 Develop Project Charter	4.2 Develop Project Management Plan	4.3 Direct and Manage Project Execution	4.4 Monitor and Control Project Work 4.5 Perform Integrated Change Control	4.6 Close Project or Phase
5. Project Scope Management		5.1 Collect Requirements 5.2 Define Scope 5.3 Create WBS		5.4 Verify Scope 5.5 Control Scope	
6. Project Time Management		6.1 Define Activities 6.2 Sequence Activities 6.3 Estimate Activity Resources 6.4 Estimate Activity Durations 6.5 Develop Schedule		6.6 Control Schedule	
7. Project Cost Management		7.1 Estimate Costs 7.2 Determine Budget		7.3 Control Costs	
8. Project Quality Management		8.1 Plan Quality	8.2 Perform Quality Assurance	8.3 Perform Quality Control	
9. Project Human Resource Management		9.1 Develop Human Resource Plan	9.2 Acquire Project Team 9.3 Develop Project Team 9.4 Manage Project Team		
10. Project Communications Management	10.1 Identify Stakeholders	10.2 Plan Communications	10.3 Distribute Information 10.4 Manage Stakeholder Expectations	10.5 Report Performance	
11. Project Risk Management		11.1 Plan Risk Management 11.2 Identify Risks 11.3 Perform Qualitative Risk Analysis 11.4 Perform Quantitative Risk Analysis 11.5 Plan Risk Responses		11.6 Monitor and Control Risks	
12. Project Procurement Management		12.1 Plan Procurements	12.2 Conduct Procurements	12.3 Administer Procurements	12.4 Close Procurements