

Monitoring and Controlling Process Group Artifacts

4.4 Monitor and Control Project Work

4.4.3 Work Performance Reports (Output)

PMGT 690, ERAU, Prof. Sherman

By: Matthew Holtan

4.4.3 Work Performance Reports (Output): This artifact was taken from a homework assignment from PMGT 614. This homework related to the bicycle project and calculates earned value variances. This supports project document updates as an output for Monitor and Control Work process.

Project: Bicycle

Date: 30 Apr 2017

Period: 1 (1.25 hr mark) out of 2.0 hrs

WBS Element 1.8

	PV	EV	AC	CV	CV%	SV	SV%
Curr	1500	1500	1666	-166	-10%	- 12	63%
Cumm	2000	2000	1747	+253	13%		

	BAC	EAC	VAC
Completed	1747	2000	253

Schedule Variance

Problem Analysis: There were different docks that would not fit for the type of bicycle our project team was trying to develop. Our bicycle is marketing to a certain age group. There were miscalculations on fitting the speakers to the front end of the bicycle (handle bars). These delays resulted in lost time and costs.

Problem Impact: 1.8, Speak dock install/test, is on the critical path; the miscalculations caused delays in proper installations and repeated coordination with this groups subcontractor (Amazon).

Corrective Action: The team was able to fast track two phases of testing this work package. This saved time overall and enabled to deliver this bicycle on time.

Cost Variance

The cost variance was higher due to shipping costs and repeated labor.

Problem Impact

This problem was established in the risk management plan, however could not be avoided. It was understood that this could be a potential problem.

Corrective Actions

At the beginning of the planning process, there were management reserves, as well as contingency reserves in place for this type of issue.

Impact to EAC

This item was fast tracked. The cost's was only 87% of PV.

Change Request

Group 2 Bicycle

Change Req. #CR08

Change Req by Name: Customer

PM: Matthew Holtan

Description of Change:

WBS 1.8, there were various delays in implementing the correct speaker docks for the smart phone speakers. It was misunderstood that this bike is being marketed to kids ages 4-10. The speakers for our style of bicycle that Group 2 is developing, did not fit. In order to meet the deadline, it was requested that this WBS be fast tracked or crashed. There are no resource constraints

Scope Impact

Our client requested to fast track the testing phase of this WBS in order to meet the deadline in producing this bike.

Schedule Impact

By fast tracking the testing phase, the deadline was met ahead of schedule.

Quality Impact

The fast tracking may have an impact on quality. It was imperative that this bicycle meet the deadline above else. The risks associated with reduced quality have been annotated in the risk register.

Possible Risks

With fast tracking; there are potential quality factors that can arise. Increased chance of speaker mishaps. Less direct control over subcontract processes. Potential to over run in costs.

Reviewed: Matthew Holtan

Recommended Action: Approved