





























## Wednesday's Homework Assignment Earned Value Techniques Exercise

Period 0 is the baseline control account plan. This control account baseline is based on a six period schedule and includes eight work packages (WP). Each work package uses a specific earned value technique consistent with the Earned Value Management System description. Given the cumulative ACWP and the updated milestone charts compute the cumulative BCWS, the cumulative BCWP, cumulative cost variance, and cumulative schedule variance for each period.

### Period 0

#### Earned Value Techniques Exercise

<b>WP 1 - 50/50 8</b>							
<b>WP2 - 0/100 4</b>							
<b>WP3 - MS 20</b>							
<b>WP4 - 50/50 8</b>							
<b>WP5 - MS 30</b>							
<b>WP6 - 0/100 5</b>							
<b>WP7 - MS 60</b>							
<b>WP8 - LOE 80</b>							
<b>Cum BCWS</b>							
<b>Cum BCWP</b>							
<b>Cum ACWP</b>							
<b>Cum CV</b>							
<b>Cum SV</b>							

10/6/98



Completed  
Milestone



Scheduled  
Milestone

### Period 1

#### Earned Value Techniques Exercise

								BCWS	BCWP
WP 1 - 50/50	8	▲	△						
WP2 - 0/100	4	▲	△						
WP3 - MS	20	▲	5	5	10				
WP4 - 50/50	8		△	△					
WP5 - MS	30		△	10	5	5	5	5	
WP6 - 0/100	5		△	△					
WP7 - MS	60		△	5	10	10	15	20	
WP8 - LOE	80	▲	10	15	15	10	10	20	△
Cum BCWS									
Cum BCWP									
Cum ACWP		15							
Cum CV									
Cum SV									

10/3/98

47

### Period 2

#### Earned Value Techniques Exercise

								BCWS	BCWP
WP 1 - 50/50	8	▲	▲						
WP2 - 0/100	4	▲	△						
WP3 - MS	20	▲	5	5	10				
WP4 - 50/50	8		△	△					
WP5 - MS	30		▲	10	5	5	5	5	
WP6 - 0/100	5		△	△					
WP7 - MS	60		△	5	10	10	15	20	
WP8 - LOE	80	▲	10	15	15	10	10	20	△
Cum BCWS									
Cum BCWP									
Cum ACWP			44						
Cum CV									
Cum SV									

10/6/98

▲  
5 Completed Milestone

△  
5 Scheduled Milestone

### Period 3

#### Earned Value Techniques Exercise

								BCWS	BCWP
WP 1 - 50/50	8	▲	▲						
WP 2 - 0/100	4	▲	▲	◆					
WP 3 - MS	20	▲	5	5	10				
WP 4 - 50/50	8		▲	△					
WP 5 - MS	30		▲	10	5	5	5	5	
WP 6 - 0/100	5			▲	▲				
WP 7 - MS	60			△	5	10	10	15	20
WP 8 - LOE	80	▲	10	15	15	10	10	20	△
Cum BCWS									
Cum BCWP									
Cum ACWP				105					
Cum CV									
Cum SV									

10/6/98

47

### Period 4

#### Earned Value Techniques Exercise

								BCWS	BCWP
WP 1 - 50/50	8	▲	▲						
WP 2 - 0/100	4	▲	▲	◆					
WP 3 - MS	20	▲	5	5	10				
WP 4 - 50/50	8		▲	▲					
WP 5 - MS	30		▲	10	5	5	5	5	
WP 6 - 0/100	5			▲	▲				
WP 7 - MS	60			▲	5	10	10	15	20
WP 8 - LOE	80	▲	10	15	15	10	10	20	△
Cum BCWS									
Cum BCWP									
Cum ACWP				140					
Cum CV									
Cum SV									

10/6/98

47

▲  
5 Completed Milestone

△  
5 Scheduled Milestone

### Period 5

#### Earned Value Techniques Exercise

								BCWS	BCWP	
WP 1 - 50/50	8	▲	▲							
WP 2 - 0/100	4	▲	▲	◆						
WP 3 - MS	20	▲	5	5	10					
WP 4 - 50/50	8		▲	▲						
WP 5 - MS	30		▲	10	5	5	5	5		
WP 6 - 0/100	5		▲	▲						
WP 7 - MS	60		▲	5	10	10	15	20		
WP 8 - LOE	80	▲	10	15	15	10	10	20	▲	
Cum BCWS										
Cum BCWP										
Cum ACWP									160	
Cum CV										
Cum SV										

10/6/98

47

### Period 6

#### Earned Value Techniques Exercise

								BCWS	BCWP	
WP 1 - 50/50	8	▲	▲							
WP 2 - 0/100	4	▲	▲	◆						
WP 3 - MS	20	▲	5	5	10					
WP 4 - 50/50	8		▲	▲						
WP 5 - MS	30		▲	10	5	5	5	5		
WP 6 - 0/100	5		▲	▲						
WP 7 - MS	60		▲	5	10	10	15	20		
WP 8 - LOE	80	▲	10	15	15	10	10	20	▲	
Cum BCWS										
Cum BCWP										
Cum ACWP									220	
Cum CV										
Cum SV										

10/6/98

47



Completed Milestone



Scheduled Milestone