

“Project Management Using Earned Value”  
Case Study Solution 4.2

4.2

C A S E

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**Control  
Account  
Definiton  
Part 2**

WBS Elements		Automated Workstation Development Program - 10000000																							
		Console Subsystem 1010000										System Engineering Management 1020000					Sys T&E 1030000								
		Display Processor (DP) 010100		Man Machine Interface 010200		Interface Processor (IP) 010300		Subsystem Integration and Test 1010400		System Software 010500		Systems Engineering 020100			Program Management 020200										
		DP CSCI - 1010101	DP HWCI - 1010102	MMI CSCI - 1010201	MMI HWCI - 1010202	IP CSCI - 1010301	IP HWCI - 1010302	Build Integ. & Test - 1010401	CSCI integ. & Test - 1010402	System Software - 1010501	System Firmware - 010502	Software Eng. Mgmt. - 1020101	Software QA - 1020102	Software Conf. Mgmt. - 1020103	Specialty Engineering - 1020104	Program Management - 1020201	Software Prog. Mgmt. - 1020202	Hardware Test and Evaluation - 1030100	Software Test and Evaluation - 1030200	Production - 1040000	Peculiar Support Equipment - 1050000	Data - 1060000	Training - 1070000	Industrial Facilities - 1080000	Operational Site Activation - 1090000
Broud Stearman	Systems Engineering	System Development							X		X					X									X
		System Design							X		X					X				X	X	X	X	X	
		Test & Evaluation	X	X	X	X	X	X	X	X	X						X	X			X				
		Software Systems Engineering	X		X		X		X	X	X	X						X		X	X	X	X	X	X
		Specialty Engineering												X							X				X
	Product Engineering	Electrical Design		X		X		X	X		X						X			X		X		X	
		Mechanical Design		X		X		X											X						
	Software Engineering	Software Design	X		X		X		X	X	X	X					X	X		X	X	X	X	X	X
		Software CM	X		X		X		X	X	X	X		X			X								
	Manufacturing	Production Engineering		X		X		X						X			X			X	X	X			
		Production																		X					
	Procurement	Purchasing		X		X		X				X								X	X			X	
		TAS - Trackball Subcontract				X																			
		JAS - Joystick Subcontract				X																			
		DPFS - DP Firmware Subcontract	X																						
		LCDS - LCD Subcontract		X																					
	Product Assurance	SIAS - Switch - Indicator Subcontract				X																			
		Hardware QA																							
	Program Management	Software QA										X										X			
		Administration																					X		
Technical Director																				X	X	X	X	X	
	Hardware CM																			X					