

“Project Management Using Earned Value”
Case Study Solution 4.1

4.1

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**Control
Account
Definiton
Part 1**

MOR-DED Motor Scooter Control Account Matrix (Part 1) SOLUTION

Organizational Elements			MOR-DED MOTOR SCOOTER															
			1.0 Vehicle															
			1.1 Power Source & Transmission *					1.2 Frame Assembly *				1.3 Suspension *				1.4 Integration Assembly *		
			1.1.1 Engine					1.1.2 Power Trans		1.2.1 Frame	1.2.2 Seat	1.2.3 Fenders	1.2.4 Foot Pegs	1.3.1 Shock Absorbers	1.3.2 Wheels	1.3.3 Axles	1.3.4 Steering Assembly	
			1.1.1.1 Engine Block	1.1.1.2 Fuel-Air System	1.1.1.3 Ignition System	1.1.1.4 Lubrication System	1.1.1.5 Instrumentation	1.1.2.1 Clutch	1.1.2.2 Trans Assembly									
PRESIDENT	Procurement Director *	Purchasing	X	X		X		X	X	X	X	X	X	X	X			
		Subcontracts			X		X									X		
	Controller	Finance																
		Accounting																
	Director Administration																	
	Legal																	
	Marketing Director																	
	Engineering Director *	Design Group	Electronics Design			X		X										
			Power Design Branch		X				X	X								
			Mechanical Design Branch	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		Test & Evaluation																
		Engineer Design Group	Drafting Branch															X
			Computer Services															
	Model Shop										X							
	Director Manufacturing *	Production Control Group															X	
		Manufacturing Engineering Group															X	
		Tooling		X	X		X											
		Shops		X	X		X		X	X	X	X	X	X	X	X		
Assembly																X		
Director Quality Assurance *	Quality Assurance Department	RAM Group																
		Quality Engineering Group																
	Quality Control Department																X	
Prog. Management Department *	MOR-DED Project Manager																	

* CUSTOMER REPORTING LEVEL

MOR-DED Motor Scooter Control Account Matrix (Part 2) SOLUTION

Work Breakdown Structure Elements Organizational Elements			MOR-DED MOTOR SCOOTER																			
			2.0 System Test & Evaluation *				3.0 Data *			6.0 System Project Mgt.												
			2.1 Dev Test				3.1 Technical Manuals	3.2 Engineering Data	3.3 Management Data	4.0 Depot Test Set *	5.0 Initial Spares & Repairs *	6.1 Project * Management	6.2 Systems Management *	6.3 Quality Assurance *								
			2.1.1 Test Planning	2.1.2 Reliability Tests	2.1.3 Road Test	2.2 Test & Evaluation Support																
P R E S I D E N T	Procurement Director *	Purchasing																				
		Subcontracts																				
	Controller	Finance																				
		Accounting																				
	Director Administration																					
	Legal																					
	Marketing Director																					
	Engineering Director *	Design Group	Electronics Design	X								X										
			Power Design Branch	X								X										
			Mechanical Design Branch																			
		Test & Evaluation			X	X	X	X			X											
		Engineer Design Group	Drafting Branch							X												
			Computer Services									X										
	Model Shop							X														
	Director Manufacturing *	Production Control Group																				
		Manufacturing Engineering Group																				
		Tooling																				
		Shops												X								
		Assembly																				
	Director Quality Assurance *	Quality Assurance Department	RAM Group		X	X										X				X		
Quality Engineering Group																				X		
Quality Control Department																						
Program Management Department *	MOR-DED Project Manager														X				X	X		

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