

Data Entry Tables for Creating a Contract and Project

I. Table 1: Sample Data, Contract

Contract Id:	Pirate Ships, Inc
Description:	High-Speed Wooden Sailing Vessels
Customer:	Captain Kidd
Manager:	Ensign Silver
Bill Method:	Quarterly Progress
Notes:	Allows you to store supplementary information

II. Table 2: Sample Data, Project (Note: If Project 101 has already been created, add Project 102 or 103, etc. The tutorial always refers to “your project” and that will mean the project number you create here.)

Contract ID:	Pirate Ships, Inc
Project:	101
Ship Type:	Cruise Ship
Description:	Prototype High-Speed Wooden Sailing Vessel
Group Scheme:	3 Character Accounts (the default value)

III. Table 3: Sample Data, SWBS

WBS		DESCRIPTION
Group	Acct.	
1		HULL
	110	Hull Planking
	120	Bulkheads
	130	Decks
	150	Deckhouse
2		PROPULSION
	210	Sails
	220	Masts

IV. Sample Cost Item Data

Item	Acct	Heading	Total Labor Hours	Total Material Cost	Weight
Group 1 – HULL					
001	110	Hull Planking, Fwd	25,000	1,500,000	2,000
002	110	Hull Planking, Aft.	24,000	1,400,000	1,900
003	120	Bulkheads, Fwd.	27,000	750,000	450
004	120	Bulkheads, Aft.	26,000	720,000	440
005	130	Decks	62,000	1,675,000	1,025
006	150	Deckhouse	35,000	2,500,000	1,500
<i>GROUP 1 SUM</i>			<i>199,000</i>	<i>\$8,545,000</i>	<i>7,315</i>
Group 2 - PROPULSION					
007	210	Sails	3,000	\$940,000	150
008	220	Masts	4,500	650,000	250
<i>GROUP 2 SUM</i>			<i>7,500</i>	<i>\$1,590,000</i>	<i>400</i>
PARTIAL SHIP			206,500	\$10,135,000	7,715

V. Sample Cost and Price Calculations

Labor (work center 01)		Material	
Man hours x Rate	25,000 x \$25		
Direct labor cost	\$625,000	Direct material cost	\$1,500,000
Total Direct (Labor + Material)	\$625,000 + \$1,500,000 = \$2,125,000		
Overhead (60% Labor cost)	\$375,000	Overhead (50% Material cost)	\$750,000
Total Overhead (Labor + Material)	\$1,125,000		
Taxes (5%)	\$31,250	Taxes (5%)	\$75,000
Total Taxes	\$106,250		
G&A (10%)		G&A (10%)	
On direct	\$62,500	On direct	\$150,000
On OH	\$37,500	On OH	\$75,000
On taxes	\$3,125	On taxes	\$7,500
G&A Total	\$103,125	G&A Total	\$232,500
Total Indirect (Overhead + G&A)	\$1,125,000 + \$103,125 + \$232,500 = \$1,460,625		
Total Cost (Direct + Indirect + Taxes)	\$2,125,000 + \$1,460,625 + \$106,250 = \$3,691,875		
Profit (5%)		Profit (5%)	
On direct	\$31,250	On direct	\$75,000
On G&A	\$5,156	On G&A	\$11,625
On OH	\$18,750	On OH	\$37,500
On taxes	\$1,563	On taxes	\$3,750
Profit Total	\$56,719	Profit Total	\$127,875
Total Price (Total cost + Profit)	\$3,691,875 + \$56,719 + \$127,875 = \$3,876,469		

VI. Sample CERs for Labor & Material Cost

ITEM	WBS Acct	DESCRIPTION	QTY FT ³	LABOR CER MH/FT ³	MATL CER \$/FT ³
Group 6		OUTFIT & FURNISHINGS			
009	610	Treasure Map Storage	200	40	500
010	620	Treasure Storage	2,000	80	800
011	650	Eye Patch Tailor Shop	400	60	600
012	660	Wooden Leg/Crutch Workshop	800	70	900

VII. CER Labor Stage Distributions

CER Name	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Total
Paint WD	10	10		10		30
Paint WH	40					40
Paint WM	20	20		20	20	80