

COCOMO II - Constructive Cost Model

Monte Carlo RiskOff

Auto CalculateOff

Software Size      Sizing MethodSource Lines of Code

SLOC

	% Design Modified	% Code Modified	% Integration Required	Assessment and Assimilation (0% - 8%)	Software Understanding (0% - 50%)	Unfamiliarity (0-1)
New	7000					
Reused	0	0	0	0		
Modified	0	0	0	0	0	0

Software Scale Drivers

Precedentedness	Nominal	Architecture / Risk Resolution	Nominal	Process Maturity	Nominal
Development Flexibility	Nominal	Team Cohesion	Nominal		

Software Cost Drivers

<b>Product</b>		<b>Personnel</b>		<b>Platform</b>	
Required Software Reliability	Nominal	Analyst Capability	High	Time Constraint	Nominal
Data Base Size	Low	Programmer Capability	High	Storage Constraint	High
Product Complexity	Low	Personnel Continuity	High	Platform Volatility	Low
Developed for Reusability	Low	Application Experience	High	<b>Project</b>	
Documentation Match to Lifecycle Needs	Nominal	Platform Experience	Nominal	Use of Software Tools	High
		Language and Toolset Experience	High	Multisite Development	Nominal
				Required Development Schedule	Nominal

MaintenanceOff

Software Labor Rates

Cost per Person-Month (Dollars) 500

Calculate

Results

Software Development (Elaboration and Construction)

Effort = 8.5 Person-months  
Schedule = 7.4 Months  
Cost = \$4248

Total Equivalent Size = 7000 SLOC  
Effort Adjustment Factor (EAF) = 0.34

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	0.5	0.9	0.5	\$255
Elaboration	2.0	2.8	0.7	\$1020
Construction	6.5	4.6	1.4	\$3229
Transition	1.0	0.9	1.1	\$510

Staffing Profile

Your project is too small to display a staffing profile due to truncation.

**Software Effort Distribution for RUP/MBASE (Person-Months)**

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.1	0.2	0.6	0.1
Environment/CM	0.1	0.2	0.3	0.1
Requirements	0.2	0.4	0.5	0.0
Design	0.1	0.7	1.0	0.0
Implementation	0.0	0.3	2.2	0.2
Assessment	0.0	0.2	1.6	0.2
Deployment	0.0	0.1	0.2	0.3

Your output file is [http://softwarecost.org/tools/COCOMO/data/COCOMO\\_November\\_8\\_2020\\_16\\_23\\_15\\_99807.txt](http://softwarecost.org/tools/COCOMO/data/COCOMO_November_8_2020_16_23_15_99807.txt)

Created by Ray Madachy at the Naval Postgraduate School. For more information contact him at [rjmadach@nps.edu](mailto:rjmadach@nps.edu).