

## COCOMO II - Constructive Cost Model

Monte Carlo Risk Off

Auto Calculate Off

Software Size

Sizing Method Source Lines of Code

SLOC% Design  
Modified% Code  
Modified% Integration  
RequiredAssessment  
and  
Assimilation  
(0% - 8%)Software  
Understanding  
(0% - 50%)Unfamiliarity  
(0-1)

New

3500

Reused

0

0

0

0

0

Modified

0

0

0

0

0

0

0

## Software Scale Drivers

Precedentedness

Nominal

Architecture / Risk Resolution

Low

Process Maturity

Low

Development Flexibility

High

Team Cohesion

High

## Software Cost Drivers

## Product

Required Software Reliability

Nominal

Data Base Size

High

Product Complexity

High

Developed for Reusability

Low

Documentation Match to Lifecycle Needs

Very High

## Personnel

Analyst Capability

High

Programmer Capability

High

Personnel Continuity

High

Application Experience

High

Platform Experience

Very High

Language and Toolset Experience

Nominal

## Platform

Time Constraint

Very High

Storage Constraint

High

Platform Volatility

Nominal

## Project

Use of Software Tools

High

Multisite Development

Low

Required Development Schedule

High

Maintenance Off

**Software Labor Rates**Cost per Person-Month (Dollars) **Results****Software Development (Elaboration and Construction)**

Effort = 12.7 Person-months

Schedule = 11.0 Months

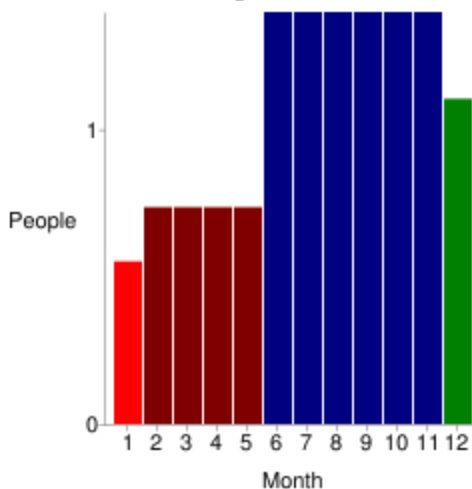
Cost = \$12

Total Equivalent Size = 3500 SLOC

Effort Adjustment Factor (EAF) = 1.08

**Acquisition Phase Distribution**

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	0.8	1.4	0.6	\$1
Elaboration	3.0	4.1	0.7	\$3
Construction	9.6	6.9	1.4	\$10
Transition	1.5	1.4	1.1	\$2

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

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.1	0.4	1.0	0.2
Environment/CM	0.1	0.2	0.5	0.1
Requirements	0.3	0.5	0.8	0.1
Design	0.1	1.1	1.5	0.1
Implementation	0.1	0.4	3.3	0.3
Assessment	0.1	0.3	2.3	0.4
Deployment	0.0	0.1	0.3	0.5

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