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   %

New	203104			
Reused		0	0	
Modified				

Software Scale Drivers

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

Software Cost Drivers

Product

Required Software Reliability	Nominal ˅
Data Base Size	Nominal ˅
Product Complexity	Nominal ˅
Developed for Reusability	Nominal ˅
Documentation Match to Lifecycle Needs	Nominal ˅

Personnel

Analyst Capability	Nominal ˅
Programmer Capability	Nominal ˅
Personnel Continuity	Nominal ˅
Application Experience	Nominal ˅
Platform Experience	Nominal ˅
Language and Toolset Experience	Nominal ˅

Platform

Time Constraint

Storage Constraint

Platform Volatility

Project

Use of Software Tools

Multisite Developme

Required Developme Schedule

Maintenance   Off ⌄

Software Labor Rates

Cost per Person-Month (Dollars)   5800

Calculate

Results

Software Development (Elaboration and Construction)

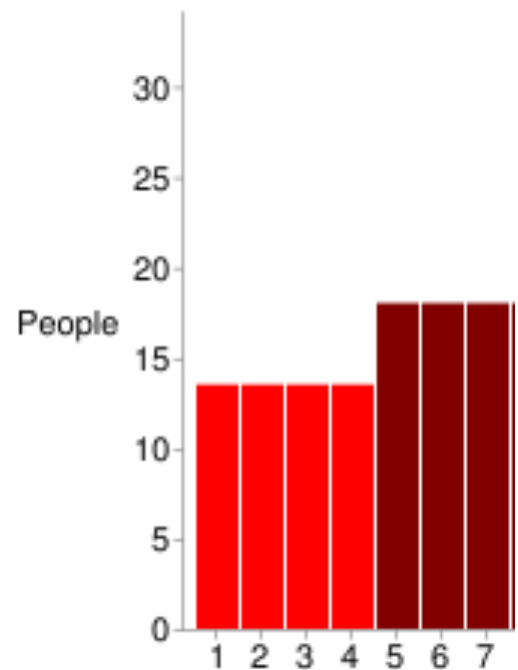Effort = 1014.3 Person-months
Schedule = 36.0 Months
Cost = $5882654

Total Equivalent Size = 203104 SLOC
Effort Adjustment Factor (EAF) = 1.00

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	60.9	4.5	13.5	$352959
Elaboration	243.4	13.5	18.0	$1411837
Construction	770.8	22.5	34.2	$4470817
Transition	121.7	4.5	27.0	$705919

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

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	8.5	29.2	77.1	17.0
Environment/CM	6.1	19.5	38.5	6.1
Requirements	23.1	43.8	61.7	4.9
Design	11.6	87.6	123.3	4.9
Implementation	4.9	31.6	262.1	23.1
Assessment	4.9	24.3	185.0	29.2
Deployment	1.8	7.3	23.1	36.5

Your output file is http://softwarecost.org/tools/COCOMO /data/COCOMO_January_28_2021_22_15_11_184933.txt

Created by Ray Madachy at the Naval Postgraduate School. For more information contact him at rjmadach@nps.edu.