

Dan Ligett

(603) 672-0987

ligett@SoftstarSystems.com

Softstar Systems

P.O. Box 1360

Amherst, NH 03031

www.SoftstarSystems.com

Softstar Systems

Founded in 1985

Costar 1.00 delivered in 1986

Specialists -- Costar is our only product

Unlimited, free technical support

Forever

Factoid

Over 1,000,000 licensed Costar users

No other cost estimation tool is so widely licensed!

Costar does COCOMO

COCOMO II

COCOMO II.2000

COCOMO II.1997

Early Design

Post-Architecture

Traditional COCOMO 81

Incremental COCOMO

Ada COCOMO

REVIC*

Your customized or calibrated version

Version 6.0 Features

COCOMO II.2000

Export to Excel

Schedule Constraints

Choice of phase models (or custom)

Traditional waterfall

MBASE

REVIC

Improved Component Navigation

13 built-in COCOMO estimating models

Support for Win 95, Win 98, Win NT 4, Win 2000

Costar Main Window

★ Costar - Estimate1

File View Reports Constraints Preferences Help

Estimate Name: Estimate1 ID:

Totals for entire Project		Effort (PM)	Duration (Mo)	Cost (K\$)	Total Size: 60,000
Requirements	RQ:	20.0	4.1	159.7	
Development	PD+DD+CT+IT:	285.1	19.9	2,281.1	
Total	RQ+PD+DD+CT+IT:	305.1	24.0	2,440.8	

COCOMO Model Name:
COCOMO II 2000

Model Type: COCOMO II

Model ID: 2000

Phases: Waterfall

Select COCOMO Model

COCOMO II Scale Factors

Precedentedness: Somewhat Unprecedented

Development Flexibility: Some Relaxation

Architecture / Risk Resolution: Often (60%)

Team Cohesion: Basically Cooperative

Process Maturity: SEI CMM Level 2

Model Equations Increment Phasing Increment Breakage Labor Cost APM MN APM Description

Schedule Constraints

★ Constrain Project

Current Effort (RQ+PD+DD+CT+IT):	283.9	Current Duration (RQ+PD+DD+CT+IT):	26.1
Current SCED Setting:	Nominal	Current Schedule Acceleration Factor:	100.000 %

Include RQ

Effort (PM)

Effort = 305.1

Total Cost (K\$) = 2,441

SCED Effort Multiplier = 1.07467

Schedule (Months)

Duration = 24.0 Months

Schedule Acceleration Factor = 92.000 % of Nominal Schedule

OK
Cancel
Apply
Reset
SCED...
Help

Detail Report

REVIC Example - Detail Report				
Costar 6.00	09/14/2000	12:15:53	Page: 1	
Estimate Name:	REVIC Example	Estimate ID:		
Model Name:	REVIC	Model ID:	V9.2	
Process Model:	Traditional COCOMO Model	Phases:	REVIC	
Development Mode:	Embedded	Calc Mode:	Intermediate	
Component Name:	Component1	Component ID:		
Component Size:	60,000	Level:	1	
Phase	Effort (Person-Months)	Cost (K\$)	Duration (Months)	Staffing
RQ -- Requirements	58.1	465.0	8.5	6.8
PD -- Product Design	111.4	891.2	11.1	10.0
DD -- Detailed Design	140.5	1,123.7	7.1	19.7
CT -- Code & Unit Test	106.6	852.4	4.3	25.0
IT -- Integration & Test	125.9	1,007.4	6.0	21.1
Development (PD+DD+CT+IT)	484.3	3,874.7	28.5	
DT -- Development Test & Eval	106.6	1,182.3	8.0	13.4
Totals (RQ+PD+DD+CT+IT+DT)	649.0	5,522.0	45.0	
MN -- Maintenance (per year)	46.3	370.1		3.9

Export Dialog



COCOMO Models

★ Select COCOMO Model						
Model Name	Short Name	ID	COCOMO Model	Phases	File	Description
COCOMO II.2000 Waterfall	COCOMO II 2000	2000	COCOMO II	Waterfall	Built in	COCOMO II.
COCOMO II.2000 MBASE	COCOMO II 2000	2000	COCOMO II	MBASE	Built in	COCOMO II.
Early Design.2000 Waterfall	Early Design 2000	2000	COCOMO II	Waterfall	Built in	COCOMO II.
Early Design.2000 MBASE	Early Design 2000	2000	COCOMO II	MBASE	Built in	COCOMO II.
COCOMO II.1997 Waterfall	COCOMO II 1997	1997	COCOMO II	Waterfall	Built in	COCOMO II.
COCOMO II.1997 MBASE	COCOMO II 1997	1997	COCOMO II	MBASE	Built in	COCOMO II.
Early Design.1997 Waterfall	Early Design 1997	1997	COCOMO II	Waterfall	Built in	COCOMO II.
Early Design.1997 MBASE	Early Design 1997	1997	COCOMO II	MBASE	Built in	COCOMO II.
REVIC 9.2	REVIC	V9.2	Traditional	REVIC	Built in	Same Cost I
APM 88	APM 88	1988	Ada Process	Waterfall	Built in	Experiment:
ADA 87	ADA 87	1987	Traditional	Waterfall	Built in	1987 Ada Lc
COCOMO 87	COCOMO 87	1987	Traditional	Waterfall	Built in	1987 versio
COCOMO 85	COCOMO 85	1985	Traditional	Waterfall	Built in	Minor updat

Show Short Name in Main Window
 Show Short Name in Reports

Revic Cost Drivers

★ REVIC Example - Component1

Component Name: ID: Increment: 1

Parent is: ID: Level: 1

Personnel	Platform	Product
ACAP... Nominal	TIME... Nominal	RELY... Nominal
AEXP... Nominal	STOR... Nominal	DATA... Nominal
PCAP... Nominal	TURN... Nominal	CPLX... Nominal
VEXP... Nominal	VIRT... Nominal	RUSE... Nominal
LEXP... Nominal	PLAT... Very Low	
	SECU... Nominal	

Project	Size Summary	User Defined
MODP... Nominal	Size: <input type="text" value="60000"/>	USR1... Undefined
TOOL... Nominal	After REVL: 60,000	USR2... Undefined
SCED... 1.075	Method: SLOC	USR3... Undefined
RVOL... Nominal		USR4... Undefined

Cost Drivers & Size / REVL / Reuse / Function Points / Maintenance / Costs / Descr.

Downloads from
www.SoftstarSystems.com

Demo of Costar

Calico