

Productivity Rate Calculator

CHARISMATEK Software Metrics
www.charismatek.com

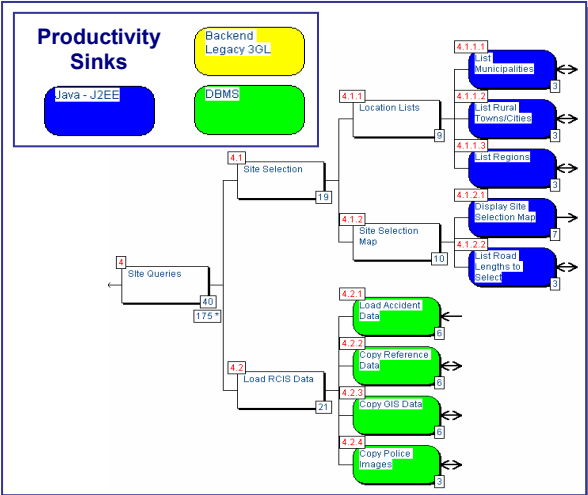
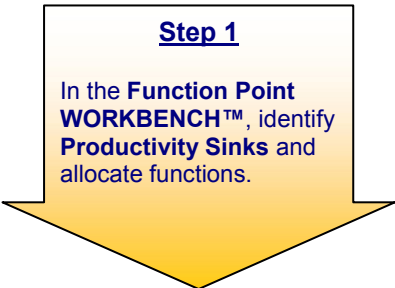
Use CHARISMATEK's **Productivity Rate Calculator** to *quickly* and *easily* determine the likely productivity rate for your software development and enhancement projects.

The **Productivity Rate Calculator** can also be individually customised to your organisation's software development environment to ensure that your project estimates are *consistent, repeatable* and *achievable*.

A **Productivity Sink** is a subset of project functionality comprising functions expected to have a relatively homogenous Productivity Delivery or Cost Rate.

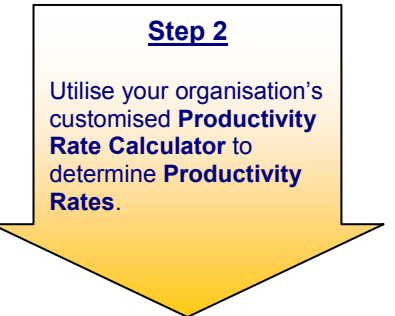
Productivity Sinks can be formed on the basis of attributes such as:

- **Technology Choices**
- **Product Characteristics** or
- **Delivery Strategies**



Productivity Rate Calculators are customised to address an organisation's:

- **dominant project classifications**
- **SDLC phase contributions** and
- **principle productivity drivers**



Function Point WORKBENCH™ - Productivity Rate Calculator

1. Project Classification: New Development - Traditional Environment (3GL)

2. Project Phases: Planning Requirements Analysis Design Construction and Unit Testing
 System and Acceptance Testing User Documentation Project Management

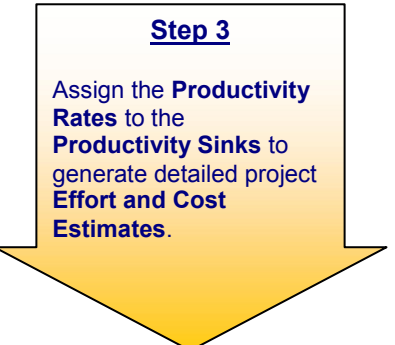
3. Project Size: 100 Function Points

4. Testing Impact: Project functionality only

5. Project Drivers: Software Complexity, Personnel Skill & Knowledge, Process Maturity, Driver Summary

6. Productivity Rate: Lower Bound on Likely Range: 7.1 Hours per Function Point; Likely Value in Range: 10.6 Hours per Function Point; Upper Bound on Likely Range: 17.5 Hours per Function Point

Function Point WORKBENCH™ reports show the estimated **effort** and **cost** associated with multiple **Productivity Sinks** within a single project.



Function Point WORKBENCH 31 August 2004 15:24

Effort Estimation

An Effort Productivity Sink is a grouping of functions perceived as having a similar delivery rate. This report provides Effort and Cost Estimates based upon user-allocated Effort Productivity Sinks.

CrashStats: --- Application: ---

View: Count NONE

Productivity Sinks	Productivity (Hours per Function Point)	Number of Functions	Unadjusted Function Points	Effort (Hours)	Cost (\$)
Backend Legacy 3GL	11.00	60	271	2,981.00	357,720.00
DBMS	3.50	44	206	717.50	86,100.00
Java - J2EE	7.70	132	749	5,767.30	692,076.00
Unassigned	0.00	0	0	0.00	0.00
Total		236	1,225	9,465.80	1,135,896.00

File Function Points Allocated to Transactions