SCOPE
Project Sizing Software™

A First Function Point Count with **SCOPE**

These instructions provide a quick list of actions to create a function point count with **SCOPE**. The instructions assume that you're already familiar with the basics of IFPUG Function Point Analysis.

1. You can save your first count in the Example Database (Select <Open the Example Database> under the <File> menu) or create a new empty database (Select <New> under <File> and enter the file name of your new **SCOPE** database, e.g. *db.fpa*). To see how to do this in detail view a Tutorial.
2. From the Application List displayed select [] to insert the Application name of your count (e.g. *Customer Information System*). Once created, highlight the Application name, expand [+] and highlight the Work in Progress Releases branch.
3. Counts are recorded under Releases for an Application. Select [] to add a new Release of the software application e.g. name it "*Release 1.0 of Customer Information System*".
4. Expand the release and highlight the count session name Change Request. Select [] to rename the new Count Session e.g. *"Initial Count for Project Scoping".* When you select OK you see your new Count Session listed ready for you to highlight and open [].
5. When you open the Count Session your cursor will be positioned on the Function Tree. Create a functional breakdown of your software by first adding functions using [Alt+Ins] or selecting <Insert Function> from the <Node> menu.
6. Insert the Elementary Processes/Transactions you need by pressing [Ins] or right clicking to display the insert menu. NOTE: The functions allow you to logically group your processes, just like a directory structure to enable you to group your files.
7. After you create a functional group, press [F2] or double-click to rename it from the default name of "Function Folder" (e.g. call it *Maintain Customer Details*).
8. New elementary processes are created with a 'green', right facing arrow  . Double click the Process, and the Details screen displays in the right-hand side screen. The direction of the arrow indicates the process has defaulted to being an INPUT. If you change the Process Type to OUTPUT you will see the arrow reverse  . Green indicates that it is a new process to the application. You will see the radio button in the status bar at the bottom of the screen indicate it as an Added function. If you want to record it as changed for an enhancement project then you can select the Changed radio button and the arrow  will change to orange.
9. Use the right-hand details screen to assess the Type and Complexity of each Elementary Process.
10. To count your logical data groups (Internal and External Files) select the Data tab at the top of the LHS screen. Highlight the root node, and you can right click to create a Data Folder. Data Folders allow you to group your Logical Data.
11. Insert the Logical Data Groups [Alt+Ins]. Highlight the Data Group, and in the Details screen in the opposite window, determine the Data Group Type (ILF or EIF) using User Select, then select the

complexity. Complexity defaults to Low, to select the range of RETs and DETs select Range then the appropriate position on the matrix or you can enter the number of RETs and DETS.

12. If you want to list the actual RETs and DETS right click on the Data Group and select <insert RET> or <insert DET> respectively.
13. If you want to link your processes to the Data Groups they access. Then, select the Function Tree Tab on the LHS of the screen and the Data Tab on the RHS of the screen. Highlight the Process you want to link, then 'click' in the box next to the Data Group name. You can also create Notes for your Processes and Data Groups by selecting the Notes tab, creating a Note under a Note Set and linking. Attributes can also be assigned using the Attribute tab.
14. The function point count will automatically calculate from any position in the Function tree and displays in the status bar at the bottom of the screen. The value displayed will change depending on the position of the cursor on the function tree.
15. To see the detailed report, select <Report Selection> under <File> on the main menu. Expand [+] the branch that says Function Point Count Results and select the report named Count Session Impacted Functional Size - Detail. Select to Preview the report and it will display a PDF.
16. The above instructions provide the basic guidelines for creating a basic Project Development Count or Enhancement count. Record your Adds, Changes and ~~Deletes~~ for your Change Requests using the Impact options in the status bar in a Count Session. Baseline counts can be created from Project counts by, first selecting <Close Current Count Session> under the <File> menu, this will bring up the application and Project list. Expand the application then highlight the release that you want to update (this will be marked by a green padlock) then select the Update to Baseline button  .

SCOPE has many more features that allow you to profile your count and track functional creep across project life cycles. Please view the Online Tutorials and HELP within **SCOPE** to understand all the features in **SCOPE**.

For any enquiries please email: support@totalmetrics.com