**PSP 1.0 Analysis report**

**Report objectives**

This report objective to analyze your PSP 1.0 data; it will enable you to

• analyze your time, and defect data

•understand where you spend your development time

• understand how defects affect your time

TIP Use Process Dashboard – Data analysis to answer the following questions. Please include any graph or table as evidence of the answers you make.

1. For programs 1, 2,3 please answer the following:

Program 1

# LOCs: \_\_\_46\_\_\_\_ # defects: \_\_\_4\_\_\_\_

Program 2

# LOCs: \_\_\_78\_\_\_\_ # defects: \_\_\_1\_\_\_\_

Program 3

# LOCs: \_\_\_109\_\_\_\_ # defects: \_\_\_1\_\_\_\_

1. What is the defect density of all PSP programs to date (#defects/KLOC)?
2. What is your productivity for each Program (#LOC/per hour)?

Program 1 **45.2**

Program 2 **45.6**

Program 3 **47.6**

1. In which phase were the most defects injected? **Coding**
2. In which phase were the most defects removed? **Compilation**
3. What type of defect is the more frequent? **Sintax Errors**
4. What type of defect had the largest average fix time? **Sintax Error**
5. In which phase was each type of defect injected most often? **Coding**
6. Indicate what is your % Error on size estimate and % Error on time estimate for each program.

Program 1 **298%**

Program 2 **283%**

Program 3 **285%**

1. Please indicate how you can improve the defect/density of your programs.

**By investing more time in Planning and Design Phases**