

Q/P Management Group's Products and Tools



Software Measurement and Reporting (SMR) is a tool that automates the reporting of project performance metrics. Organizations can use SMR to capture data, report the performance of development projects, and compare the

performance to in-house and/or industry benchmarks. SMR's intuitive interface allows a user to quickly enter key project statistics, compare the performance to benchmarks, analyze the results of the comparisons, and publish the report in either Word™ or PowerPoint™ formats. SMR has been designed to work with PQMPlus™ and the Function Point WORKBENCH™ in order to share relevant data to aid in the production of software measurement reports.



The Function Point WORKBENCH™ is a network-ready Windows-based software tool which makes it easy for an organization to implement the Function Point Analysis technique for sizing,

estimating, and evaluating software. The Function Point WORKBENCH™ is specifically designed to be saleable for effective use by individual counters as well as for large distributed IT environments.

The Function Point WORKBENCH™ and SMR have been designed to work together to share relevant data to aid in the production of software measurement reports.



PQMPlus™ - *The Intelligent Software Measurement and Estimating Tool*

PQMPlus™ is a productivity/quality measurement system developed for software development project managers and measurement specialists. PQMPlus™ is a benchmarking and measurement tool with a robust function point repository that provides project estimating based on historical data, project scheduling, and risk assessments. PQMPlus™ and SMR have been designed to work together to share relevant data to aid in the production of software measurement reports.

PQMPlus™ has received Type 1 and Type 2 certification from IFPUG, and is the only measurement tool available today that has received this level of certification. IFPUG Type 2 Certification requires PQMPlus™ be an "Expert system that aids in the counting of function points."

Benchmark Data

Q/P has established the world's largest functional size based software metrics

benchmark database. Q/P has been collecting data since its founding in 1990. Project and application data are added to the database annually after rigorous analysis and verification to ensure the highest degree of data integrity in the industry. The database consists of statistics on over 15,000 projects and applications. The statistics include:

- Project productivity for new development and enhancement efforts
- Project cost and labor rates
- Application maintenance productivity
- Application support cost
- Application and project quality
- Time to market – schedule duration
- Project staffing

Corporations, commercial software developers and Government agencies around the world have used Q/P's benchmark database to improve performance and estimate software development and maintenance. More specifically Q/P's clients have utilized the benchmark database to:

- Evaluate internal performance
- Negotiate outsourcing contracts
- Manage vendor performance
- Identify productivity and quality improvements
- Set performance improvement targets
- Determine fair market value of software for tax and legal purposes
- Augment historical project data
- Estimate project effort, cost, and schedule
- Estimate maintenance headcount for new applications
- Cost justify the redevelopment of legacy applications

Benchmark data can be licensed to work with PQMPlus™, Software Measurement and Reporting (SMR) or in summary format. When licensed with PQMPlus™ the data can be used for estimating or to compare a development project's productivity, schedule, and staffing against industry benchmarks. The benchmark data used in conjunction with SMR provides the ability to produce performance measurement reports on completed projects comparing performance to industry benchmarks. The tools and data can be structured to facilitate analysis of both new development and/or enhancement projects. Alternatively the benchmark data can be licensed in a standalone format in order to support internal software measurement programs.