Software Quality Index

To compute the Software Quality Index, (SQI) for a program or system answer the following questions and assign a value from 1 to 10, 10=complete agreement, 1=complete disagreement. If you are not certain about an answer, please make an estimate. A high score when computing an index may be very seductive, but remember the ultimate test of quality will be whether it performs as the customer requires.

1. _____ Program documentation is readily available, up-to-date, and complete. It includes original program specifications (functional specification and design document), unit test plan, system test plan, acceptance test plan, archived test results, and a history of modifications (fixes and enhancements.)

2. _____ Program is easily understood by other programmers without considerable effort. It does not use obscure commands, unusual constructions, and is throughly commented.

3. _____ There is no need to contact the original programmer before attempting to work with the code. Comments contain notes about how and where to make modifications.

4. _____ It is highly likely that if this program's functionality is required by another system, it will be used. Other developers will know that this program exists and how to incorporate it.

5. _____ The program specification was reviewed by Quality Assurance before programming began. Reviews were conducted whenever warranted by complexity. The written unit test plan was developed and reviewed prior to programming.

6. _____ Programming language is not platform specific. There are no unusual or excessive resource requirements. All data are edited before use. Program contains no cryptic messages. Complexity levels have been measured and are acceptable.

7. _____ Little or nothing is hard coded. Tables and control files are used. Data dictionary used for development. All variable names are included in the dictionary. System limits are known and documented.

(Please complete other side)

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8. _____ Test client is used for testing (a program to test the program.) Every line of code has been executed at least once.

9. _____ Integration planning is complete. Program's expected life is determined and documented.

10. _____ Customers have signed-off on program and they find it usable, flexible, and robust.

_____ Total score

Please rate the customer perception of quality.

Customer perception of quality is:
6=Exceeds expectations
5=Very satisfied
4=Above average
3=Acceptable
2=Barely satisfied
1=Low

Number of system users:

Please return completed results to support@coastaltech.com.
Results are posted at https://coastaltech.com/sqi