

## **Revised ISO 9126 Quality Model**

ISO is revising the standard that contains the ISO 9126 Quality Model to bring it in line with current practice, making security a separate characteristic, and where possible adopting existing definitions. The top level of the proposed revised model is:

functional suitability

the degree to which the product provides functions that meet stated and implied needs when the product is used under specified conditions

reliability

the degree to which a system or component performs its required functions under stated conditions for a specified period of time.

performance efficiency

the performance relative to the amount of resources used under stated conditions

operability

the degree to which the product has attributes that enable it to be understood, learned, used and attractive to the user, when used under specified conditions

security

the degree of protection of information and data so that unauthorized persons or systems cannot read or modify them and authorized persons or systems are not denied access to them

compatibility

the degree to which two or more systems or components can exchange information and/or to perform their required functions while sharing the same hardware or software environment

maintainability

the degree to which the product can be modified

portability

the ease with which a system or component can be transferred from one hardware or software environment to another

quality in use

the degree to which a product used by specific users meets their needs to achieve specific goals with effectiveness, efficiency, flexibility, safety and satisfaction in specific contexts of use