System Assurance (glossary)

system assurance

> *...the justified confidence that the system functions as intended and is free of exploitable vulnerabilities, either intentionally or unintentionally designed or inserted as part of the system at any time during the life cycle... This confidence is achieved by system assurance activities, which include a planned, systematic set of multi-disciplinary activities to achieve the acceptable measures of system assurance and manage the risk of exploitable vulnerabilities.* (NATO February 2010, p. 1)

Sources

NATO. 2010. Engineering for system assurance in NATO programs. Washington, DC: NATO Standardization Agency, DoD 5220.22M-NISPOM-NATO-AEP-67. February 2010.

Discussion

The NATO document is organized based on the life cycle processes in ISO/IEC 15288:2008 and provides process and technology guidance to improve system assurance.

SEBoK v. 2.9, released 20 November 2023