

Robustness (glossary)

robustness

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[1] the inherent strength or resistance in a system to withstand external demands without degradation or loss of functionality. Jackson (2016)

[2] the ability to resist capability degradations under adverse conditions. Brtis (2016)

[3] The degree to which a system or component can function correctly in the presence of invalid inputs or stressful environmental conditions. (ISO/IEC/IEEE 2010)

Sources

[1] Jackson, Scott. 2016. "Principles for Resilient Design - A Guide for Understanding and Implementation." In IRGC Resource Guide on Resilience, edited by I. Linkov. University of Lausanne, Switzerland: International Risk Governance Council (IRGC).

[2] Brtis, John. 2016. How to Think About Resilience in a DoD Context. Colorado Springs, CO: MITRE Corporation.

[3] ISO/IEC/IEEE. 2010. *Systems and Software Engineering - System and Software Engineering Vocabulary (SEVocab)*. Geneva, Switzerland: International Organization for Standardization (ISO)/International Electrotechnical Commission (IEC)/Institute of Electrical and Electronics Engineers (IEEE). ISO/IEC/IEEE 24765:2010.

Discussion

This is a basic attribute of system resilience.

SEBoK v. 2.11, released 25 November 2024

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This page was last edited on 24 November 2024, at 19:29.