Failure (glossary)

failure

(1) *Termination of the ability of a product to perform a required function or its inability to perform within previously specified limits.* (ISO/IEC 2005, 4.2)

(2) *An event in which a system or system component does not perform a required function within specified limits.* (ISO/IEC/IEEE 2009, 1)

(3) *The event in which any part of an item does not perform as required by its specification. The failure may occur at a value in excess of the minimum required in the specification, i.e., past design limits or beyond the margin of safety.* (INCOSE 2012)

Source

(1) ISO/IEC. 2005. *Software Engineering - Software Product Quality Requirements and Evaluation (SQuaRE) - Guide to SQuaRE.* Geneva, Switzerland: International Organization for Standardization (ISO)/International Electrotechnical Commission (IEC). ISO/IEC 25000:2005.

(2) ISO/IEC/IEEE. 2009. *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 24765:2009.

(3) INCOSE. 2012. *Systems Engineering Handbook: A Guide for System Life Cycle Processes and Activities*, version 3.2.2. San Diego, CA, USA: International Council on Systems Engineering (INCOSE), INCOSE-TP-2003-002-03.2.2.

Discussion

None.

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