

System-of-Interest (glossary)

From SEBoK

[system-of-interest](#)

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(1) *The system whose life cycle is under consideration.* (ISO/IEC/IEEE 2015)

(2) *The system of interest to an observer.* (Bertalanffy 1968)

Source

(1) ISO/IEC/IEEE. 2015. *Systems and Software Engineering - System Life Cycle Processes*. Geneva, Switzerland: International Organization for Standardization (ISO)/International Electrotechnical Commission (IEC), Institute of Electrical and Electronics Engineers. ISO/IEC/IEEE 15288:2015. The second definition is an expanded version of the ISO/IEC/IEEE version.

(2) von Bertalanffy, L. 1968. *General system theory: Foundations, development, applications*, revised ed. New York, NY: Braziller.

Discussion

(1) Is the common Systems Engineering definition. A system-of-interest is a collective set of all elements of any system considered by a lifecycle, this may include both operational or enabling systems. Strictly this definition is relevant for an [engineered system](#) of interest.

(2) Is the system science definition and applies to all systems irrespective of whether they have a purpose or lifecycle in an engineering sense.

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