

Lean Systems Engineering (LSE) (glossary)

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(1) The application of lean principles, practices, and tools to SE to enhance the delivery of value to the system's stakeholders. (Oppenheim, Murman, and Secor 2011)

(2) Lean Systems Engineering (LSE) is the area of synergy between lean thinking and SE, with the goal to deliver the best life-cycle value for technically complex systems with minimal waste; under the lean SE philosophy, mission assurance is non-negotiable, and any task that is legitimately required for success must be included, but it should be well-planned and executed with minimal waste. (INCOSE 2012)

Sources

(1) Oppenheim, B., Murman, E., and Secor, D. 2011. "Lean Enablers for Systems Engineering." *Systems Engineering* 14(1): 29-55.

(2) 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.

SEBoK v. 2.9, released 20 November 2023

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