

Open System (glossary)

From SEBoK

open system

A system which exchanges inputs and outputs with its environment. (von Bertalanffy 1968)

Source

von Bertalanffy, L. 1968. *General system theory: Foundations, development, applications*, Revised ed. New York, NY: Braziller.

Discussion

Open system theory considers an organism as a complex entity composed of many parts with an overall integrity, co-existing in an environment. In an open system the organisms structure is maintained, or adapts, through a continual exchange of energy and information with its environment.

SEBoK v. 2.1, released 31 October 2019

Retrieved from

"[https://sandbox.sebokwiki.org/index.php?title=Open_System_\(glossary\)&oldid=57570](https://sandbox.sebokwiki.org/index.php?title=Open_System_(glossary)&oldid=57570)"

-
- This page was last edited on 28 October 2019, at 10:02.

