

Node (glossary)

node

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An element of a system. (Created for SEBoK)

Sources

This definition was created for the SEBoK.

Discussion

There are also alternative definitions of "node" fashioned for specific applications of its use that have been defined in standards below:

(1) In a diagram, a point, circle, or other geometric figure used to represent a state, event, or other item of interest. (ISO/IEC/IEEE 24765:2010 Systems and software engineering--Vocabulary)

(2) Configuration of engineering objects forming a single unit for the purpose of location in space, and which embodies a set of processing, storage and communication functions. (ISO/IEC 10746-3:2009 Information technology -- Open Distributed Processing -- Reference Model: Architecture, 8.1.7)

(3) Modeled function located within the hierarchical graph structure of an IDEF0 model by its designated node number. (IEEE 1320.1-1998 (R2004) IEEE Standard for Functional Modeling Language - Syntax)

and Semantics for IDEF0, 2.1.80)

(4) *One of the defining points of a schedule network; a junction point joined to some or all of the other dependency lines.* (PMI 2008)

(5) *Vertex of a net graph, i.e., a place or a transition.* (ISO/IEC 15909-1:2004 Software and system engineering -- High-level Petri nets -- Part 1: Concepts, definitions and graphical notation, 2.1.16.2)

Works Cited

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PMI. 2008. *A Guide to the Project Management Body of Knowledge (PMBOK® Guide)*, 4th ed. Newtown Square, PA, USA: Project Management Institute (PMI).

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