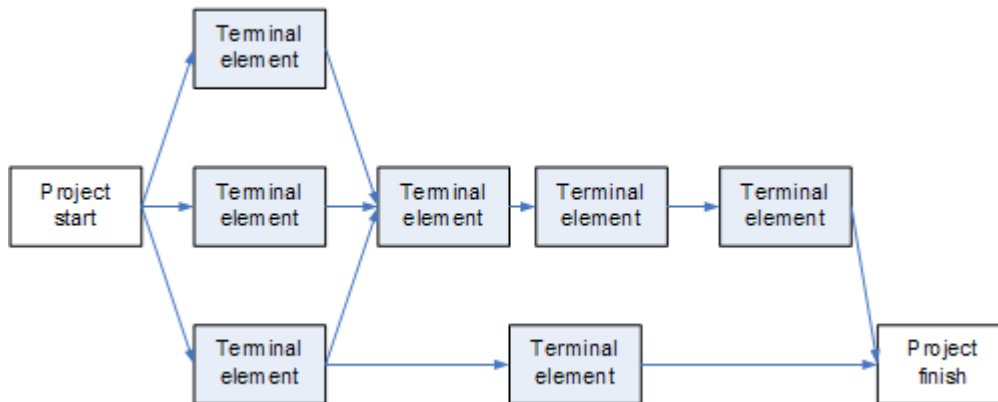


Project network

A **project network** is a graph (weighted directed graph) depicting the sequence in which a project's terminal elements are to be completed by showing terminal elements and their dependencies. It is always drawn from left to right to reflect project chronology.^[1]



The work breakdown structure or the product breakdown structure show the "part-whole" relations. In contrast, the project network shows the "before-after" relations.

The most popular form of project network is activity on node (AON)(as shown above), the other one is activity on arrow (AOA).

The condition for a valid project network is that it doesn't contain any circular references.

Project dependencies can also be depicted by a predecessor table. Although such a form is very inconvenient for human analysis, project management software often offers such a view for data entry.

An alternative way of showing and analyzing the sequence of project work is the design structure matrix.

See also

- Float (project management)
- Gantt chart
- Project management
- Project planning
- Program Evaluation and Review Technique
- Bar chart

References

1. "Project Network Diagram" (<http://www.projectauditors.com/Dictionary2/1.8/index.php/term/,62555d9cae535f6f685560ac5b5d.xhtml>). projectauditors.com. Retrieved April 23, 2014.

External links

- [Critical Path Mapping with Activity Network Diagrams \(http://www.pmhut.com/critical-path-mapping-with-activity-network-diagrams\)](http://www.pmhut.com/critical-path-mapping-with-activity-network-diagrams)
 - [Understand how scheduling tools works-Draw network diagram yourself \(http://www.planningengineer.net/understand-scheduling-tools-worksdraw-network-diagram/\)](http://www.planningengineer.net/understand-scheduling-tools-worksdraw-network-diagram/)
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