

Project Management Statistics

- oA Total global spending on technology goods, services, and staff was projected to reach \$2.4 trillion in 2008
- oIn the U.S. the size of the IT workforce topped 4 million workers for the first time in 2008
- oIn 2007 the total compensation for the average senior project manager in U.S. dollars was \$104,776 per year in the United States, \$111,412 in Australia, and \$120,364 in the United Kingdom
- oThe number of people earning their Project Management Professional (PMP) certification continues to increase

oA project : "a temporary endeavor was undertaken to create a unique product, service, or result" (PMBOK(R) Guide, Fourth Edition, 2008, p. 5)

- oProjects end when their objectives have been reached or the project has been terminated
- oProjects can be large or small and can take a short or long time to complete
- oOperations is work done to support the business
- o systems have input, processing, and output
- oA cybernetic system, a self-monitoring, self-regulating system, adds feedback and control:
 - Feedback is data about the performance of a system
 - Control involves monitoring and evaluating feedback to determine whether a system is moving toward the achievement of its goal

Project Example 1

- omanufacturing cell phone cases:
 - oA cell phone company is interested in manufacturing a special cell phone case for their newest model.

Examples of IT Projects

- oA small software development team adds a new feature to an internal software application for the finance department
- oA college campus upgrades its technology infrastructure to provide wireless Internet access across the whole campus
- oA company decides what Voice-over-Internet-Protocol (VoIP*) system to purchase and how it will be implemented

o(* A protocol for transmitting the human voice in digital form over the Internet or other networks as an audio stream, instead of using traditional telephone lines.

Project Attributes

- oA project:
 - oHas a unique purpose
 - ols temporary
 - ols developed using progressive elaboration
 - oRequires resources, often from various areas
 - oShould have a primary customer or sponsor
 - oThe project sponsor usually provides the direction and funding for the project
 - oInvolves uncertainty

VoIP uses the Internet Protocol (IP), but is not limited to communication by computer—even phone-to-phone communication can be conducted using this technology.