

Unique aspects of IT procurements

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Table of Contents

Introduction.....	3
Technological Development and the Fast Growth Rate.....	3
Cloud Computing.....	3
Specialized Knowledge and Expertise.....	4
Compliance with Regulatory Standards.....	5
Information Technology in the Healthcare Sector.....	5
Managing Vendor Relationships.....	5
Software Development Outsourcing.....	6
Managing Risks in IT Procurement.....	6
Best Practices in IT Procurement Management.....	7
Conclusion.....	8
References.....	9

Unique aspects of IT procurements

Introduction

Project procurement management can be defined as the process of acquiring the right goods and services from other organizations to accomplish a project. IT procurements are particularly notable due to their distinguishing features from other procurements, which would need additional attention and planning (Rane et al., 2020). This paper discusses these peculiarities and provides project management (PM) with specific directions on managing IT procurement. This report aims to provide an understanding of the speed of technological changes, expertise, regulatory requirements, managing relationships with IT vendors, and risk management to help project managers be prepared for the challenges of IT procurement.

Technological Development and the Fast Growth Rate

The first key concern that procurement of IT has exhibited is the high rate of technological changeover. Technologies change over time, and many of them can become outdated relatively fast. This requires a proactive approach in procurement to ensure the bought technology is relevant and useful in the project lifecycle. For example, the needs now are only some of the one's organizations need to consider, but also future technological changes that would affect the functionality and compatibility of procurement solutions. This forward-thinking strategy may entail using scalable solutions that are compatible with new technologies (Zhyluk et al., 2021). Research conducted by International Data Corporation in 2021 revealed that close to 40% of IT managers indicate that their organization needs help dealing with emerging technologies. Thus, there is a need for a good strategy in procurement.

Cloud Computing

The transition to cloud computing demonstrates this workload shift to the consumer. When migrating from on-premises solutions to cloud services, organizations expect future advancements and flexibility regarding technology prevalence (Vithayathil, 2018). This

entails choosing a cloud service provider that can meet the firm's current and future requirements. Gartner (2020) also stated that the global market size of public cloud services will increase by 17 percent in 2021, showing the shift towards cloud services in all industries. Such a growth trend means that procurement teams must consider vendor options' sustainability and efficiency and avoid multiple shifts to cloud service providers.

Specialized Knowledge and Expertise

IT procurements entail a level of technology understanding by the buyer or the acquiring party. These include compatibility with technical specifications, how it fits into other systems or applications, and any possible compatibility problems. This shows that the IT systems are very complex that the procurement teams should be able to get professional assistance. Moreover, technical know-how enables the procurement team to assess the vendors' products adequately and ensure the solutions are technically solid and aligned with the organizational goals and IT infrastructure. According to a Forrester Research (2019) study, where technical specialists are incorporated into the procurement decision, 30% is likely to be successful.

Choosing an ERP solution involves evaluating different providers with different levels of functionality and connectivity. Some of the implications of these technicalities have to be understood, as well as how they may be integrated with the organization's requirements for the Act to work. This often results in sourcing several assets with the participation of IT specialists or consultants. Deloitte (2019) has established that selecting the right ERP system is critical to improving organizational performance and achieving organizational objectives. Given that ERP systems can encompass many modules and, generally, interact with other business systems on an organizational level, it is beneficial to have specific technical details on integration and customization.

Compliance with Regulatory Standards

As legal regulation remains paramount in IT procurements, attention will focus on legal compliance, such as data protection legal compliance. In this regard, there exist general necessary legal conditions that the embraced technologies should meet based on the geographic location of the business, for instance, the General Data Protection Regulation (GDPR) in the European Union or the Health Insurance Portability and Accountability Act (HIPAA) in the United States of America. This compliance is not just a legal requirement but one necessary for dealing with customers and avoiding hefty penalties. The regulation standards assist in filtering solutions where compliance capabilities are integrated into the core tool, so the time and effort required to implement them are considerably less than if one has to add features from scratch. Accordingly, the Ponemon Institute (2020) revealed that the average economic impact of data protection regulation non-compliance-compliance should be above \$14 million, revealing the financial side of compliance.

Information Technology in the Healthcare Sector

IT procurements are especially sensitive in the healthcare sector due to the legal requirements imposed to safeguard patients' information. This entails, for instance, ensuring that EHR systems are implemented to conform to the various HIPAA requirements. Non-compliance can lead to severe legal and financial consequences. The purchase of compliant systems not only addresses the problem of breaches but also fosters the confidence of patients who will always concern themselves with data privacy.

Managing Vendor Relationships

Vendor management is one of the significant aspects of successful IT procurements. This includes choosing the appropriate vendor and being on good terms with him throughout the work. Vendor management must be based on clear communication, clear expectations regarding the work to be done, and performance reports. Furthermore, effective business

synergy with vendors can bring better purchasing conditions, quicker service, and more freedom in plan adaptations. Treating vendors as partners rather than suppliers can be effective in creating a successful project team environment. According to a Harvard Business Review report published in 2021, organizations that established good relations with their vendors witnessed improved project performance and satisfaction by 20%.

Software Development Outsourcing

Another practice typical of IT projects is outsourcing software development to external contractors. To manage these relationships, the parties need to have a clearly defined understanding of the contract terms and respective obligations, regular reporting on the progress of the works, and provisions for dealing with the conflicts. Therefore, it is important to maintain a positive working relationship with the vendor to increase project success and ensure future business. According to McKinsey (2021), efficient management of vendors could cut project costs by as much as 20%. As a result, a set of comprehensive guidelines for communication and feedback is crucial to follow so that all concerns are fixed in time and the general work on the project is not sabotaged.

Managing Risks in IT Procurement

There are always risks in IT procurements, such as the risk of using outdated technologies, the reliability of the suppliers, and compatibility issues. Since these risks can potentially affect project outcomes, suitable measures must be taken to avoid them. This involves assessing risks, creating risk management techniques, and even checking for new risks throughout the implementation of the project. If risks are continuously monitored and response strategies are updated, risk management utilized in an agile manner can improve the IT projects' robustness. Effective risk management can increase the success rate of projects by as much as 16%, underlining the relevance of risk management for IT procurements (PMI, 2017).

Best Practices in IT Procurement Management

Table 1 Summary of Best Practices in IT Procurement Management

Best Practice	Description	Benefits	Key References
Thorough Needs Assessment	Conduct a detailed assessment of organizational needs to guide procurement decisions. Engage stakeholders from various departments to understand requirements and challenges, ensuring the selected solutions address broader organizational needs.	Ensures procured technology aligns with strategic goals; increases likelihood of project completion on time and within budget.	PMI (2017), Standish Group (2018)
Vendor Due Diligence	Perform comprehensive evaluations of potential vendors, including their technical capabilities and financial stability. Review past performance, customer testimonials, and conduct technical assessments.	Identifies reliable vendors who can deliver quality products and services; reduces project failure rates.	Gartner (2020), IDC (2019)

Clear Contract Terms	Establish clear and detailed contract terms to define expectations and responsibilities. Contracts should cover deliverables, timelines, payment terms, and dispute resolution mechanisms.	Prevents misunderstandings and disputes; sets foundation for transparent and accountable vendor relationships; reduces disputes.	Deloitte (2019), APM (2020)
Regular Performance Monitoring	Implement mechanisms to monitor vendor performance and address issues promptly. This includes regular progress reports, performance reviews, and feedback sessions.	Ensures project stays on track and meets objectives; maintains high standards of quality and adherence to timelines; increases project success rates.	McKinsey (2021), PMI (2019)
Continuous Learning	Stay updated on technological advancements and emerging trends to make informed procurement decisions. Understand potential implications for existing systems and future projects.	Helps organizations adapt to rapidly changing IT landscape; increases likelihood of achieving long-term success; keeps procurement strategies relevant.	Gartner (2020), MIT Sloan Management Review (2020)

Conclusion

It has become evident that many issues surround the IT procurement process and the procurement function. The essential components of IT procurement management discussed in this report include the high velocity of technological change, specialization, legal requirements, competent evaluation of vendors, and sound management of risks. By implementing best practices like needs analysis, vendor evaluation, clear contract language development, ongoing project performance monitoring, and learning, organizations can enhance the probability of IT procurement projects' success rates. Adopting these strategies will not only help position procurement in line with organizational objectives but also ensure increased effectiveness of projects. Project managers who possess this information are more likely to make sound decisions and contribute to achieving positive results in the uncertain area of IT acquisition.

References

- Deloitte. (2019). ERP Implementation: Best Practices and Strategies. Retrieved from <https://www2.deloitte.com>
- Forrester Research. (2019). The Importance of Technical Expertise in IT Procurement. Retrieved from <https://www.forrester.com>
- Gartner. (2020). Forecast Analysis: Public Cloud Services, Worldwide. Retrieved from <https://www.gartner.com>
- Harvard Business Review. (2021). The Impact of Vendor Relationships on Project Performance. Retrieved from <https://hbr.org>
- IDC. (2019). Vendor Evaluation and Due Diligence in IT Procurement. Retrieved from <https://www.idc.com>
- International Data Corporation. (2021). Challenges of Rapid Technological Changes in IT. Retrieved from <https://www.idc.com>
- McKinsey & Company. (2021). Effective Vendor Management in IT Projects. Retrieved from <https://www.mckinsey.com>
- MIT Sloan Management Review. (2020). The Role of Continuous Learning in IT Procurement. Retrieved from <https://sloanreview.mit.edu>
- Ponemon Institute. (2020). The Financial Impact of Non-Compliance with Data Protection Regulations. Retrieved from <https://www.ponemon.org>
- Project Management Institute. (2017). The Role of Risk Management in Project Success. Retrieved from <https://www.pmi.org>
- Rane, S. B., Narvel, Y. A. M., & Bhandarkar, B. M. (2020). Developing strategies to improve agility in the project procurement management (PPM) process: Perspective of business intelligence (BI). *Business Process Management Journal*, 26(1), 257-286.

- Standish Group. (2018). The CHAOS Report: The Importance of Well-Defined Requirements. Retrieved from <https://www.standishgroup.com>
- Vithayathil, J. (2018). Will cloud computing make the Information Technology (IT) department obsolete?. *Information Systems Journal*, 28(4), 634-649.
- Zhylyuk, Y., Znotina, D., & Lisichonak, A. (2021, June). Procurement management as a condition of increasing the competitiveness of agro-processing enterprises. In *ENVIRONMENT. TECHNOLOGIES. RESOURCES. Proceedings of the International Scientific and Practical Conference* (Vol. 1, pp. 268-274).