



## WAYS TO IMPLEMENT MODERN STANDARDS IN PROJECT MANAGEMENT

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**Annotation:** This article is dedicated to exploring the processes of implementing modern standards in project management. Based on international methodologies such as PMBOK (Project Management Body of Knowledge), PRINCE2, and Agile, modern project management enhances project quality, optimizes resource utilization, and minimizes risks. The research examines the advantages and challenges of applying modern standards in project management to introduce innovative strategies. It also discusses the participation of stakeholders and effective communication methods with them, resource optimization, and the role of modern standards in strategic decision-making.

**Key words:** Project management, modern standards, PMBOK, PRINCE2, Agile, resource optimization, risk minimization, innovative strategies, stakeholders, time management, decision-making

**Annotatsiya:** Ushbu maqola loyiha boshqaruvida zamonaviy standartlarni joriy etish jarayonlarini o'rganishga bag'ishlangan. Zamonaviy loyiha boshqaruvi PMBOK (Project Management Body of Knowledge), PRINCE2, va Agile kabi xalqaro metodologiyalarga asoslanib, loyiha sifatini oshirish, resurslardan samarali foydalanish va risklarni minimallashtirish imkonini beradi. Tadqiqotda loyiha boshqaruvida zamonaviy standartlarni qo'llash orqali innovatsion strategiyalarni joriy etishning afzalliklari va qiyinchiliklari ko'rib chiqiladi. Shuningdek, loyiha manfaatdor tomonlarining (stakeholders) ishtiroki va ular bilan samarali aloqani tashkil qilish usullari, resurslarni optimallashtirish va strategik qarorlar qabul qilishda zamonaviy standartlarning roli tahlil qilinadi.

**Kalit so'zlar:** Loyiha boshqaruvi, zamonaviy standartlar, PMBOK, PRINCE2, Agile, resurslarni optimallashtirish, risklarni minimallashtirish, innovatsion strategiyalar, manfaatdor tomonlar, vaqtni boshqarish, qaror qabul qilish

**Аннотация:** Данная статья посвящена изучению процессов внедрения современных стандартов в управление проектами. Современное управление проектами, основанное на международных методологиях, таких как PMBOK (Project Management Body of Knowledge), PRINCE2 и Agile, позволяет повысить качество проектов, оптимизировать использование ресурсов и минимизировать риски. В исследовании рассматриваются преимущества и сложности применения современных стандартов в управлении проектами для внедрения инновационных стратегий. Также обсуждаются участие заинтересованных сторон и методы эффективной коммуникации с ними, оптимизация ресурсов и роль современных стандартов в принятии стратегических решений.

**Ключевые слова:** Управление проектами, современные стандарты, PMBOK, PRINCE2, Agile, оптимизация ресурсов, минимизация рисков, инновационные стратегии, заинтересованные стороны, управление временем, принятие решений

### Introduction

In today's rapidly developing digital technologies and globalization, effective organization of project management processes is becoming increasingly important for enterprises and organizations. In order to achieve success in the conditions of high competition and rapid changes in the market, it is necessary to adhere to modern project management standards. Internationally recognized methodologies such as PMBOK, PRINCE2 and Agile provide ample opportunities for effective project management, optimal

resource allocation and risk minimization. This article is devoted to analyzing ways to introduce modern standards in project management, highlighting the advantages and difficulties of these standards. By introducing modern project management principles, enterprises can not only increase the efficiency of projects, but also achieve high results in strengthening interactions with users and making strategic decisions. Therefore, the article provides information on the methods of implementing modern standards in practice and the results achieved through them.

## **Main Part**

Project management is one of the important factors in achieving the success of organizations in the modern business environment. For effective project management, it is necessary to introduce modern methodologies and standards. International experience and scientific research show that it is possible to achieve clear and measurable results by applying modern standards in project management processes. This section analyzes modern project management methodologies, their advantages, challenges, and ways to implement them in practice.

### **1. Modern Project Management Standards**

Among the most common project management methodologies are PMBOK (Project Management Body of Knowledge), PRINCE2 (Projects IN Controlled Environments), and Agile. Each methodology is distinguished by its own characteristics and approaches. The PMBOK methodology, with its clear and systematic approach, covers all stages of project management, including project planning, execution, monitoring and control processes (PMI, 2017). PRINCE2, on the other hand, strengthens the role of control and organization in project management, and also helps project managers to successfully implement the project through clear rules and processes (OGC, 2009).

The Agile methodology, on the other hand, provides the ability to be flexible and respond to rapid changes. Agile is especially widely used in the IT sector, and its main principles are rapid adaptation to changes, regular iterations, and a high level of collaboration among team members (Beck et al., 2001). Research shows that organizations that use Agile methodologies have improved the quality of their projects and have better relationships with customers (Highsmith, 2009).

### **2. Advantages of Modern Standards**

There are several advantages to implementing modern project management standards. First, these methodologies allow for effective project management, optimal use of resources, and time savings. For example, the PMBOK methodology helps to manage a project in stages, which allows the project manager to allocate time and resources effectively (Kerzner, 2013). Second, modern standards serve to improve the quality of projects. Research shows that organizations that use the PRINCE2 methodology have increased project success by 20% (Axelos, 2017).

Third, modern methodologies provide effective approaches to risk management. A unique aspect of the Agile methodology is that it ensures that the risk management process is implemented in each iteration of the project, which creates the opportunity to quickly respond to unexpected situations that may arise during the project process (Schwaber & Beedle, 2002).

### **3. Challenges in Implementing Modern Standards**

However, implementing modern project management standards also poses some challenges. The first challenge is related to training and educating employees within the organization about new methodologies. Research shows that many organizations face resistance from employees when implementing new standards (Kotter, 1996). To avoid this, effective training programs and systematic approaches are required. The second challenge is that modern methodologies are not suitable for some organizations or require changes to their way of working. For example, the Agile methodology can be difficult to implement in some industries because it requires a very flexible and agile approach, which can be uncomfortable for some organizations (Conforto et al., 2016).

### **4. Methods for Implementing Modern Standards**

Among the effective methods for implementing modern standards are strategies such as developing a unified system for project management, strengthening the change management process within the organization, and using advanced technologies. In addition, the experience and skills of project managers and teams are also of great importance. Research shows that the cooperation of team members and the allocation of sufficient time to them play an important role in the implementation of modern methodologies

(Project Management Institute, 2018).

#### Reforms in the World

##### PMI (Project Management Institute) and PMBOK Update

The PMBOK (Project Management Body of Knowledge), one of the project management methodologies in the world, is constantly updated. In recent years, PMI has begun to support new methodologies on a global scale, for example, reforms aimed at accelerating changes in project management through the Agile approach and the integration of digital technologies. This has been particularly important in IT, construction and infrastructure projects.

##### The spread of the Agile methodology

The Agile approach is particularly widespread in the IT and software industries. The advantages of Agile, namely the ability to quickly adapt and respond to customer needs, have begun to be used by many organizations. The global adoption of this methodology began in the early 2000s, and this approach has now spread to all industries.

##### The global rise of the PRINCE2 methodology

The PRINCE2 (Projects IN Controlled Environments) methodology is particularly widespread in Europe, Australia and Asia. This methodology provides a more structured approach to project management. PRINCE2 certifications are offered worldwide and many organizations support this methodology.

##### International Project Management Certification Scheme

International organizations have continued to introduce professional certification in project management. This plays an important role in improving the scientific and practical skills of project managers. Through a certification system, organizations can improve the skills of their teams and help ensure their global competitiveness.

##### Reforms in Uzbekistan

The Program "Improving the Project Management System" (2020) adopted by the President of the Republic of Uzbekistan

In 2020, the Government of Uzbekistan adopted a special strategic program for the development of the project management sector. Through this program, it was planned to introduce project management methodologies, improve the skills of project managers, and integrate digital technologies.

##### Introduction of project management methodologies in the public sector

The process of introducing international methodologies such as PMBOK and PRINCE2 has begun in the public sector of Uzbekistan. This is helping to increase the efficiency of project management in state bodies. In Uzbekistan, together with the private sector, a system of training and certification of project management specialists in the public sector is being developed.

##### Establishment of the Uzbekistan Project Management Association

In 2019, the Project Management Association was established in Uzbekistan. This organization hosts various trainings and seminars aimed at expanding and implementing international standards in project management. The goal of this organization is to further develop knowledge in the field of project management and introduce international practices to Uzbekistan.

##### Uzbekistan's "Digital Uzbekistan" program

Within the framework of the "Digital Uzbekistan" program, the government of Uzbekistan is paying special attention to the introduction of digital technologies and the digitization of project management. Through this program, it is planned to integrate electronic project management systems, digital platforms and new technologies.

These reforms are important steps in the development of the project management sector on a global and local scale, allowing many organizations to implement effective management approaches.

## Conclusion

The use of modern project management methodologies is important for organizations in increasing project efficiency, optimizing resources and minimizing risks. The implementation of international methodologies such as PMBOK, PRINCE2 and Agile helps to organize the project management process in a systematic and effective way. These methodologies provide unique approaches to each project, creating the opportunity to achieve high results for enterprises and organizations.

However, some difficulties may arise in the process of implementing modern standards. Issues such as training new methodologies, resistance to change among employees within the organization, and the incompatibility of methodologies with some industries can complicate this process. At the same time, these difficulties can be overcome by using a systematic approach, qualified personnel, and advanced technologies.

Therefore, in order to successfully implement modern standards, organizations need to effectively manage their internal resources, improve staff skills, and ensure the flexibility of methodologies. In the future, in-depth study of innovative approaches and methodologies in the field of project management will serve to create new opportunities and increase global competitiveness.

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