LETTER OF RECOMMENDATION FOR

ASKAR TAXIMOV

To Whom It May Concern

I have the honor to recommend Askar Taximov, whom I have known since February 2020, as a highly qualified specialist in the field of information technology. Our cooperation began with joint work on an information project to update the voter lists of the city of Astana, the idea and development of which are described in detail in his scientific oriented article *"How to use the Geonomics information system to update and generate information about city residents"*.

In the article about this system, Askar Taximov first proposed an innovative algorithm for automatically updating residents' data, which not only improved the accuracy of voter lists, but also created a basis for digital planning of urban infrastructure. The Geonomics system has broad functionality, including automatic updating of resident data, working with cartographic data and constructing the boundaries of polling stations. Its implementation made it possible to form lists of citizens based on a single source, excluding "door-to-door" visits and ensuring the relevance of data in real time. This significantly simplified the processes of population registration and allowed city authorities to quickly respond to changes. The originality of his approach lies in the integration of various government databases and cartographic materials, which ensured a high degree of automation and relevance of the data. This algorithm became an example for other regions of Kazakhstan striving for digitalization of public administration, and influenced the development of similar systems in other cities.

It is important to note that work on this project continues to this day, which demonstrates Askar's desire to continuously improve the IT industry and solve pressing issues. He is actively involved in updating voter lists using territorial geometry and data coding, which demonstrates his significant contribution to the development of the IT sphere and innovation. The developed algorithms and methods allowed not only to optimize current processes, but also to create a basis for the further development of digital public administration, which makes Askar Taximov among of the top specialists in Kazakhstan in this field.

In the article *"How to apply information technology tools in improving the life of a city. iKomek experience"* Askar Taximov presented an innovative model of an information center based on a three-level request processing system. In this article, he describes the development and implementation of the iKomek information center in Astana, which has become a key tool for improving the urban environment. Askar developed thorough processing algorithms, information architecture, and interaction mechanisms to promptly respond to citizen requests. He also implemented a video surveillance and GPS monitoring system to coordinate the work of city services. The result of his work was the creation of a platform that ensures transparency in managing city issues and increases citizen satisfaction. The originality of this model lies in the clear distribution of roles and responsibilities between operators, inspectors and performers, as well as the use of video surveillance and GPS monitoring to coordinate the work of city services. As a result, this innovative model has significantly increased the speed of response to citizen requests and improved the quality of the urban environment. Moreover, the iKomek experience was recognized as successful and became an example for the creation of similar centers in other cities of Kazakhstan. I can highlight the importance of these two academic articles, as they demonstrate that Askar not only has deep knowledge of information technology, but is also able to apply it to solve real problems facing society.

Moving to his active participation in conferences, speaking at the Asia-Pacific Ministerial Conference, he demonstrated a key role in the digital transformation of Astana, presenting the "Smart City" strategy. His expertise was proven in his ability to illustrate practical examples of the implementation of technologies (monitoring, AI, IoT) to improve the urban environment, as well as in the emphasis on data analysis and digital inclusion. Moreover, he actively shared his developments in the use of artificial intelligence to predict emergency situations, which contributed to the exchange of experience and the establishment of new professional connections. Therefore, his ideas were noted by representatives of different countries, who expressed their readiness to cooperate in this area.

At the Digital Bridge 2023 and Digital Almaty 2025 forums, Askar Taximov confirmed his expertise in information technology sphere, demonstrating a deep understanding of the latest IT trends. At the Digital Bridge 2023 forum, Askar Taximov proposed specific recommendations for the implementation of blockchain technologies to increase the transparency and security of urban systems. Moreover, he focused on cybersecurity, interaction with residents and the development of the IT ecosystem of Kazakhstan,

emphasizing the importance of such events for attracting investment and developing digital entrepreneurship. Therefore, his active participation in these conferences and forums shows that he not only follows trends in IT, but also actively promotes their implementation, acting as an expert and leader in the field of digital transformation.

His great contribution is also appreciated and noticed. For example, the award from Altay Kulginov the Mayor of Astana city for his contribution to the development of information technology (2022) is a direct confirmation of his significant role in the formation and development of the IT sector of the capital. Secondly, the award from the President of the Republic of Kazakhstan for the successful organization and holding of the early elections of the President of the Republic of Kazakhstan (2022) demonstrates his ability to effectively apply his knowledge and skills in the field of information technology to solve problems of a national scale, which is of paramount importance for ensuring the stability and transparency of democratic processes. Finally, the Certificate of Honor from the Mayor of Astana for professionalism and successful holding of elections (2022) further emphasizes his high level of responsibility and professionalism.

These awards not only recognize Askar Taximov's achievements, but also testify to his leadership role in the development of the IT industry and strengthening information security in the country. They confirm his ability not only to develop and implement innovative IT solutions, but also to effectively apply them in areas critical to the state, which makes his contribution to the development of Kazakhstan invaluable.

Finally, it is undeniable that Askar Taximov's efforts are aimed at creating a favorable environment for the development of the IT industry in Kazakhstan. Thanks to his work, the city of Astana is becoming one of the leaders in the field of digital transformation in Kazakhstan, and his projects and initiatives serve as an example for other regions of the country striving to develop the IT industry.

Best regards,

Chief Inspector,
Department of Digitalization and
Information Technologies of Astana   **Azat Kudaibergenov**