

THE IMPORTANCE OF STANDARDS UPDATES ON THE INTERNET OF THINGS

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The Internet of Things, like many other modern ideas has a simple concept [1]. By connecting objects to the Internet network, it is possible to combine the capabilities of virtual and real worlds [2,3].

The combination of two elements, which often function separately, opens up great possibilities for more efficient use of resources. Industry uses IoT to optimize the processes of development and production of products. People use these capabilities to increase comfort in their homes, for example, starting with the optimization of heat, light, and safety, and ending with the provision of food, adapted to their needs.

Currently, one of the popular standards in the field of Internet of solutions and related technologies are three new standards developed by ISO, which help to realize the potential of IoT more advantageously.

The purpose of the report is to analyze the importance of using new standards in such areas as the Internet of Things.

The main significant trend of the Internet of Things in recent years is the turbulent dynamics of devices connected and controlled by the Internet. Internet devices provide opportunities for more direct physical contact in computer systems, which allows increasing efficiency, economic benefits, and reducing pressure on the person. This is why new standards are constantly being developed to improve the efficiency and speed of communication between intelligent devices and the Internet of solutions.

References

1. Кучук Г.А. Метод управління розподілом ресурсів багатосерверного вузла обробки інформації / Г.А. Кучук, В.В. Косенко, О.П. Давікоза. // Збірник наукових праць Харківського університету Повітряних Сил. – Х.: ХУ ПС, 2013. – Вип. 3(36). – С. 111-115.
2. Tkachov V. Interval Evaluation of the Survival Rate of the Computer Network On the Basis of Highly Mobile Units With Normal Distribution of Work / V. Tkachov, O. Yeroshenko, L. Bukharova // Trends in science and practice of today. Abstracts of V International Scientific and Practical Conference. Ankara, Turkey. 2021. Pp. 409.
3. Tkachov V.M. Architecture of Overlay Network with Nested VPN Tunneling / V. Tkachov, M. Bondarenko, M. Hunko // Сучасні напрями розвитку інформаційно-комунікаційних технологій та засобів управління: матеріали десятої міжнародної науково-технічної конференції. – Баку: ВА ЗС АР; Харків: ДП «ХНДІ ТМ»; Жиліна: УМЖ, 2020. – С. 36.