

## **INFORMATION SECURITY OF TELEMETRY DATA**

Hazarkhanov A.T., Hashimov E.G.

Military Institute named after Heydar Aliyev, Baku, Azerbaijan

Neymatov V.A.

Azerbaijan State Oil and Industry University, Baku, Azerbaijan

When collecting and transmitting telemetric information (TMI), the problem of data security becomes especially relevant. In the process of studying the problem in order to find more advanced methods, it was decided to use as a basis the methods presented in works [1] and [2]. In article [1], in order to ensure the integrity and completeness of the accumulated data on the state of individual functional subsystems of aircraft, and intended for transmission to a ground enterprise, a method is proposed, the implementation of which is carried out by comparing the accumulated data with the generated data (specified data), the primary source of which is the same ground enterprise.

In the work [2] to ensure the necessary required reliable protection of TMI from unauthorized access and interference, a structural-algorithmic method is proposed, according to which residual images are used. According to the authors, if the transmitted data is presented in the amount of two or more residual images, then during the process of converting them into a word-measurement, individual shortcomings are revealed, being available for their elimination. The method we proposed provides for a comprehensive approach, in which the specified data, like telemetry, are compared with each other in the form of residual images.

### **References**

1. Guzairov M.B., Frid A.I., Vulfin A.M., Berkholz V.V. Support for decision-making in the task of ensuring information security of aviation telemetry systems. Proceedings of the International Symposium "Reliability and Quality", 2020, Vol. 1. Pp. 178-183

2. Rudnev A.N., Vas'kovsky A.S., Komolov M.V. Non-cryptographic protection system for telemetry information. Information Society Technologies. T-Comm, #11-2012. Pp. 48-50

3. Hasanov A.H. Analysis of the effectiveness of communication and automated management systems // Modern directions of development of information and communication technologies and management tools, Abstracts of reports of the 12th Int. Scientific and Technical Conf. – 2022. – Т. 1. – С. 1-4.

---

## **ЗАХИСТ ВІД ФІШИНГОВИХ АТАК ТА СОЦІАЛЬНОЇ ІНЖЕНЕРІЇ В ТЕЛЕКОМУНІКАЦІЙНИХ МЕРЕЖАХ**

Лященко В.О., Гук А.С.

Харківський національний університет радіоелектроніки, Харків, Україна

Захист від фішингових атак та соціальної інженерії в телекомунікаційних мережах стає все більш важливим через зростання кількості кіберзагроз, націлених на отримання конфіденційних даних користувачів. Фішингові атаки,