ABSTRACT

The goal of the work: ways to ensure information security of sensor networks.

The text part: 50p, 9 tables, 17 pictures, 13 references.

The purpose of the work is to describe the reasons for the needs for information security in WSN. Identify the main problems of IS provisioning in WSN. Analyze in detail the ways to provide IS in WSN. To analyze IS in known technical implementations of wireless sensor networks. And a comprehensive comparison of encryption algorithms for use in wireless sensor networks

The result of this work is substantiating of the relevance of information security issues in WSN. The peculiarities of WSN construction are described, quantitative and qualitative indicators of limitations at WSN construction are given. A comprehensive analysis of encryption algorithms used in WSN was conducted, which provides recommendations for the choice of algorithm when building a network

Wireless sensor networks, information security, encryption algorithms, ZigBee, LoRaWan, SNEP, Rijndael