CS 428 - Applied Cryptography

Module 2 Homework

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1.) Translated the following into Binary, and English letters (using ASCII Table) 0x4169726372616674

Aircraft

100000101101001011100100110001101110010011000010110011001110100

2.) In terms of encryption algorithms, what is the importance of definitions when working on an encryption algorithm?

Definitions are important so that the problem can be clearly defined, so that a solution can be optimally structured and defined to best meet the needs of the client or product. Also to make sure that encryption meets the security requirements based on standards and prevention to various types of attacks

3.) What is the purpose of Proofs of Security?

Having a proof of security provides a standardized and formalized definition of what “your” encryption can do and the definition of what kinds of attacks can be prevented or protected against when delivering the encryption to the product or client.