**AES**

1. Name of standard: advanced Encryption Standard (AES)
2. Category(loại) of standard: computer security standard, cryptography
3. Explanation: The AES specifies(xác định/quy định) a FIPS-approved cryptographic algorithm that can be used to protect(bảo vệ) electronic data. The AES algorithm is a symmetric (đối xứng) block cipher(mật mã) that can encrypt (encipher) and decrypt (decipher) information. Encryption converts data to an unintelligible(ko thể hiểu được) form called ciphertext; decrypting the ciphertext converts the data back into its original form, called plaintext.

Keys: 128, 192, 256

AddRoundKey(): Transformation in the Cipher and Inverse cipher