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Survey Report

# A Survey on new approaches in SignCryption

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**ABSTRACT**

SignCryption is a new-fangledmodel in public key type ofcryptography to provide confidentiality and authentication in a solitary logical step at the lower computation cost and communiqué overhead compared to the long-standing signature-then-encryption mechanism [1]. This paper may contain few assessment documents exist, which described that how long had been the signcryption schemes used by the authors. We propose a new style to implementing existing signcryption with the new scheme. Our offered scheme is aprogressed version of existing mechanism followed in Bao & Deng, in which publicly verifiable signcryption is designed [3]. In this scheme, we make sure the security feature of forward secrecy to the signcryption, without an increase in computational cost. Also, this new signcryption procedure delivers the security services of message confidentiality and Authentication using public verifiability.

**Keywords:** SignCryption, Public Key Cryptography, Signature-then-Encryption, Public Verifiability, Forward Secrecy.

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