

29. ENHANCED ENCRYPTION FOR DATA RETRIEVAL IN WIRELESS SENSOR NETWORK

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A military environment such as a battlefield or a hostile region is likely to suffer from temporary disconnections like jamming, environmental factors, and mobility. Disruption tolerant network are the successful solution that allow wireless devices carried by soldiers to communicate with each other and access the confidential information by exploration storage nodes includes authorization policy or by updating policy .The policies include cipher- text policy attribute based encryption enables encryptors to choose an access policy on attributes and to encrypt confidential data under the access structure via encrypting with the corresponding public keys or attributes . The problem of applying Cp-Abe in DTN includes attribute revocation, key escrow, and coordination of attribute. In proposed system, immediatly enhances backward/forward secfalrecy, escrows-free key issuing protocol and monotone access structure for security and efficient management in confidential data.

Index Terms—Attribute-based encryption (ABE), Disruption-tolerant network (DTN),

Revocation key, Key authority, Secure data retrieval.

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