

**For information**

**Legislative Council Panel on Security**

**Supplementary Information on  
Replacement of Radio Communications System of the Operations  
Department of the Independent Commission Against Corruption**

**PURPOSE**

This paper provides supplementary information requested by Members of the Panel on Security (the Panel) on the replacement of radio communications system of the Operations Department of the Independent Commission Against Corruption (ICAC).

**BACKGROUND**

2. The ICAC presented a discussion paper (Paper No. CB(2)1031/13-14(09)) to the Panel at its meeting on 18 March 2014. The paper seeks Members' support for the proposal to replace the existing radio communications system of the Operations Department of the ICAC with a new radio communications system (the proposed system).

3. Whilst Members of the Panel supported in principle the ICAC's proposal, the ICAC was requested to provide, before the submission of its proposal to the Finance Committee, the following information to the Panel –

- (a) the encryption technology to be deployed in the proposed system;
- (b) whether there would be any interference between the proposed system and civilian radio communications systems;
- (c) whether the repeater stations under the proposed system would be constructed on government land or private land; and
- (d) how the repeater stations of the existing radio communications system would be disposed of.

#### **SUPPLEMENTARY INFORMATION**

4. Under the proposed system, radio communications will be encrypted using the Advanced Encryption Standard (AES) algorithm. AES has been widely used worldwide as the official government encryption standard for encrypting all forms of electronic data or wireless traffic to ensure confidentiality of the government information. In addition, the proposed system will adopt the latest authentication technology whereby only registered radio equipment is authorized to use the proposed system. With the AES and authentication algorithms, the safety and security of the proposed system will be greatly enhanced.

5. The proposed system will be operating in dedicated frequency bands allocated solely to the Government. The use of that frequency bands will not interfere with other licensed civil radio communications which are operating in different frequencies. Furthermore, radio equipment capable of operating in the said dedicated frequency bands is not commercially available to civilian users. As a result, the proposed system will be less susceptible to interference caused by illegal radio users.

6. All of the 60 repeater stations under the proposed system will be constructed on either government land or government premises. Upon the commissioning of the proposed system, the 21 repeater stations under the existing system will be disposed of in accordance with the disposal procedures as stipulated in the Stores and Procurement Regulations of the Government, and all the related classified waste materials will be destroyed in accordance with the Security Regulations.

**Independent Commission Against Corruption**  
**May 2014**