

(Translation)**Legislative Council Finance Committee****17 July 2020****Replacement of Marine Police Central Command System and its Seven Electro-Optical Sensors (EOS) as well as the Procurement of New EOS**

At the meeting of the Legislative Council Finance Committee on 17 July 2020, during the discussion of the funding application for replacing the Central Command System (CCS) and its seven land-based Electro-Optical Sensors (EOSs), and for procuring two new EOS, for the Marine Region of the Hong Kong Police Force (HKPF), Members requested the Government to provide further information regarding the products, components and technology used by the said system.

2. The CCS of the Marine Police is used in monitoring the offshore waters and co-ordinating marine operations by the Marine Region. It comprises EOSs, central servers, consoles, workstation hardware and software, etc. The EOSs are for the detection, recognition and identification of objects at sea. Each EOS (see attached photos) comprises -

- (a) a long range daylight camera;
- (b) a thermal imager (TI) which works by detecting the temperature difference between different objects at night and during periods of low visibility (e.g. on foggy days); and
- (c) a pan-tilt platform for controlling the EOSs.

3. Major manufacturers of EOS include China, countries from the North America and the European Union. The major manufacturer of the daylight camera and pan-tilt platform is China. Based on our understanding, with regard to the equipment manufactured in China, the technologies adopted do not involve those developed by the United States or those patents or copyrights are held by the United States.

4. As for the CCS, the central server can adopt Linux and Windows operating system, while the software is developed by China, Europe or other Asian countries (such as Singapore). The consoles and workstations can operate on Windows, Linux, IOS, Android and other systems with common browsers.

5. HKPF will, in accordance with the established procedures in the Stores and Procurement Regulations of the SAR Government, conduct open tender and global sourcing for the procurement of the CCS and EOSs. Besides, in the process of preparing the tender documents, HKPF will seek legal advice and consider including appropriate contractual terms to protect the Government's interest, so as to mitigate the risk associated with the recent incidents and the legal liabilities of the service provider for being unable to discharge the contract.
6. Members are invited to note the contents of the paper.

Security Bureau
Hong Kong Police Force
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Photos

Electro-Optical Sensors (EOS)



Thermal imager

A pan-tilt platform
for controlling the
EOS

Image transmitted by the long range daylight camera to the CCS



Image transmitted by the thermal imager to the CCS

