

For information

Legislative Council Panel on Security

Replacement of the Criminal Intelligence Computer System (CICS)

and Enhanced Police Operational Nominal

Index Computer System (EPONICS) of Hong Kong Police Force

Background

Members considered the paper on the proposed replacement of CICS and EPONICS of the Police at the Panel meeting on 28 January 2000. While agreeing that there is a need to replace the two systems from the security and operational points of view, Members requested additional information on the cost estimation of the project. This information is outlined in the ensuing paragraphs.

Cost Estimation

(a) Non-recurrent cost

2. Drawing reference to the information systems currently used by the Police and market surveys, we estimate that the implementation of the proposed CICS and EPONICS will require a non-recurrent commitment of \$66,170,000, made up as follows –

(\$'000)

(a)	Computer hardware	13,790
	(i) Production servers	10,120
	(ii) Disaster recovery server	3,220
	(iii) Fingerprint scanners	450
(b)	Computer software	9,690
	(i) Operating system	2,120
	(ii) Database management system	5,640
	(iii) Relational data link chart analysis tool	1,930
(c)	System development and implementation services	28,090
	(i) Development of core system	13,660
	(ii) Development of workflow management system	3,120
	(iii) Development of system interface	9,240
	(iv) Site preparation	2,070
(d)	Data conversion services	3,120
(e)	Project management (employment of contract staff)	5,860

(f)	User training	730
(g)	Contingency (8% of (a) to (f))	4,890
	Total	66,170

3. As regards paragraph 2(a) above, the estimated cost of \$13,790,000 is for the acquisition of computer and data security hardware, including three clustered servers, two workflow management servers and 60 fingerprint scanners.

4. As regards paragraph 2(b) above, the estimated cost of \$9,690,000 is for the acquisition of operating system software, database management system software and relational data link chart analysis tool. The software is required for storage, retrieval and concurrent access of information from CICS and EPONICS. The analysis tool enables the users to make crime analysis based on the data stored in CICS.

5. As regards paragraph 2(c) above, the estimated cost of \$28,090,000 is for system development and implementation services. These include site preparation work, and interfaces with other operational systems.

6. As regards paragraph 2(d) above, the estimated cost of \$3,120,000 is for the acquisition of data conversion services as data stored in the existing systems need to be converted and transcribed to the proposed CICS and EPONICS.

7. As regards paragraph 2(e) above, the estimated cost of \$5,860,000 is for engaging contract staff to provide support in project planning, design and monitoring, system support, liaison with end-users and other Government departments, procurement, implementation, data conversion, and user acceptance testing. It comprises 48 man-months of Contract Project Manager and 96 man-months of Contract System Analyst.

8. As regards paragraph 2(f) above, the estimated cost of \$730,000 is for the provision of training for 400 users on new system functions, basic intelligence analysis and system administration.

(b) Recurrent cost

9. Recurrent expenditure of \$608,000 will start to be incurred in 2004-05 rising to \$9,560,000 in a full year from 2005-06 onwards. This will be fully offset by the annual saving from the running costs of the existing systems. We estimate that there will be savings of \$5,419,000 in annually recurrent cost in 2004-05, \$6,157,000 in 2005-06 and \$7,907,000 from 2006-07 onwards, broken down as follows -

	2004-05	2005-06	2006-07
	(\$'000)		
Running costs of the new systems			
(a) Computer hardware maintenance	0	3,380	3,380
(b) Computer software licence and support	0	1,630	1,630
(c) Project management support (employment of contract staff)	608	1,460	1,460
(d) Application maintenance	0	3,090	3,090
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Sub-total	608	9,560	9,560
 <u>Less</u>			
Running costs of the existing systems			
(e) Savings on maintenance cost	5,237	12,570	12,570

(f) Savings on staff costs including on cost	790	3,147	4,897
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Sub-total	6,027	15,717	17,467
Net savings	5,419	6,157	7,907

10. As regards paragraph 9(a) above, the estimated cost of \$3,380,000 is for hardware maintenance on expiry of the free warranty period in 2005-06.

11. As regards paragraph 9(b) above, the estimated cost of \$1,630,000 is for the licence fee and support for the system software, database management software, intelligence analysis software and system development tools on expiry of the free warranty period in 2005-06.

12. As regards paragraph 9(c) above, the estimated cost of \$1,460,000 is for project management contract staff, comprising one Contract Project Manager and two Contract System Analysts. They will provide project management, co-ordination with users and technical support teams, contract management and system performance monitoring.

13. As regards paragraph 9(d) above, the estimated cost of \$3,090,000 is for on-going application support 24 hours per day for system operation, minor enhancement, infrastructure support on database administration, network, and system performance tuning by the vendor upon expiry of the free warranty period in 2005-06.

14. As regards paragraph 9(e), the sum of \$12,570,000 is the annual maintenance costs of the existing systems.

15. As regards paragraph 9(f), it is the saving of the posts to be deleted upon commissioning of the new systems. The number of posts to be deleted will be five (three Constables and two Confidential Assistants) from November 2004 onwards, rising to 12 (two Sergeants, eight Constables and two Confidential Assistants) from November 2005 onwards.

Way Forward

16. We will submit the proposal for the consideration of the Finance Committee at its meeting on 10 March 2000.

Security Bureau

March 2000

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