



COMMUNICATION FORENSICS AND CYBERCRIME UNIT

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Project Proposal for CFCU 2012

Background and Context

The Communication Forensic and Cyber Unit (CFCU) is part of the Organised Crime Investigation Division for the Jamaica Constabulary Force (JCF). It has been in existence since December 2010 and its mandate is to assist all investigations involving the use of any forms of digital media. The follow are departments with specific area of focus:

- Communication Forensics – Call data record analysis
- Computer Forensics – Extract, examine, analyse
- Mobile Forensics – cellular phones etc.
- All other forms of Digital Forensics – Any media that is digital and has a memory
- Audio and Video Forensics
- Cybercrime Forensics

While the unit operates with given resources, the exponential increase in request for service makes it necessary to increase resources in staffing, equipment, spacing and training.

The use of digital media to facilitate crimes in Jamaica is steadily increasing and the CFCU has been seeking assistance to fund listed projects and resources.

Problem

1. Electronic and other forms of Cybercrimes are on the rise and the CFCU is incapable of addressing such crimes or investigation due to the lack of proper tools, facility and trained personnel.
2. Crimes facilitated by the use of mobile devices (cell phones etc.), the CFCU is incapable to respond and track down perpetrators in a reasonable time (kidnapping).
3. Inadequate physical space and exhibit racks for digital evidence storage.

A consultative report including recommendations and projects that will best improve the functionality of the CFCU is attached to this document.

Strategy

The overall objective for the CFCU is to prepare personnel and provide support to all investigators, as also operating as a professional and world class entity free of internal or external interference with pertinent transparency.

- Staff training and development have commenced in areas of Communication and Computer Forensics and it is intended to prepare trainer of trainers for continuity.
- The CFCU lab must be equipped with relevant forensic tools and equipment.
- Preparing CFCU to provide support and assistance to Jamaica and member states of the Caribbean.
- Continuous training and upgrade for staff and equipment.
- Staff attachment to overseas counterparts.
- Increase staff compliment for specialisation.
- Physical relocation.
- Commence internet policing and public and private network penetration testing.
- Establishment of island wide Liaison and second CFCU office in Montego Bay.

Output

- Expected output should see service efficiency improvement as well as significant reduction in backlogs.
- Impact and deterrent of digital and other traditional crimes.

Input

- Previous assistance from partners in kind.
- Periodic assistance in kind from partners- equipment and training.
- ITU in cash or kind in furtherance of Cybercrime tools, equipment and trained personnel.

Management

Inspector Warren Williams is the appointed manager of the CFCU whose responsible includes day to day unit management as well as identifying projects for strategic development. Two deputies are appointed to assist with unit management.

Inspector Williams reports to and is accountable to a Senior Superintendent and the chain of command concludes with an Assistant Commissioner in charge of the Criminal Investigation Bureau and the Commissioner of police for the Jamaica Constabulary Force.

Monitoring and Evaluation

Monitoring and evaluation of unit and project will be done through invited consultants from partners, who has partnered with the JCF/CFCU to do periodic audits, with a view of achieving a world class forensic standard.

Work Plan

It is intended to establish a cybercrime department at the CFCU. The following is required to accomplish this plan:

1. Set up at least three work stations with required software and tools to conduct network penetration testing.
2. Prepare at least four trained personnel.
3. Establish an interactive web site which must be accessible to the public for reporting cybercrimes.

Note: Staff Remuneration is a big issue. Although willing and wanting to make the best contribution, increase in salary will significantly boost morale which can stimulate even more input and output. Promotion, special technical allowance and travelling officer benefits are some immediate fix to this situation. The present staffs are qualified and competent to be considered. In going forward, to attract and retain competent personnel, it is best to offer an attractive remuneration and benefit package.

