HKU Grid Certificate Authority (HKU Grid CA)

Self Audit & Status Report

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Operating Organization

HKU Grid CA operates since 2009 (will expire at 2029)

CA Manager

✓Examines subscriber's information
✓Approve CA and RA operator to operate affairs

Pui Tak HO
Wing Keung KWAN

RA Operator

✓Accept subscribing request
✓Check subscribers' information for consideration of approval

CA Operator

✓Operate and maintain the CA signing server & CA web server
✓Manage CA private key and its copy
✓Operate CA tasks: issue/revoke/rekey certificate and issue CRL
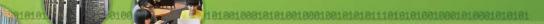✓Update CP/CPS, operation manuals and security documents

Helpdesk

✓Help users related to HKU Grid CA operation

Wing Keung KWAN

Lilian CHAN
Ngai Shing MOK

Pui Tak HO, Wing Keung KWAN, Lilian CHAN , Ngai Shing MOK

Issued Certificates

- User certificates
  - Valid: 3
  - Expired/Revoked: 23

- Host certificates
  - Valid: 7
  - Expired/Revoked: 51

(by August 7, 2015)
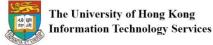
Materials Used for Auditing

- Guidelines for auditing Grid CAs version 1.0
- Relevant IGTF Authentication Profile version 4.2
- HKU Grid CA CP/CPS v2.1 (RFC 3641)
- CA Repository:
  - http://ca.grid.hku.hk/
  - CA Certificate, CRL, End-Entity certificates
- Document published on the web repository:
  - Certificate application procedure
  - Certificate renew and revocation procedure

Operation Inspection Items

- CA room
  - Located in the HKU ITS server room.
  - Restricted to authorized people can access and all events are recorded.

- RA and CA machines
  - Both are running on dedicated machines.
  - CA signing machine is dedicated to CA operation and is completely offline.

- Backup media of the CA private key and its place

- Media storage of archived logs and other documents and their place
  - Locked in safe deposit box which is located at another room where access control is restricted.

- Logs of RA and CA servers

- Records of operation of the RA and CA

- Access log to the CA room

Summary of Self Audit Result

Score A (Good)	72
Score B (Minor Change)	0
Score C (Major Change)	0
Score D (Must Change)	0
Score X (Could not evaluate)	6