

Updated List of Certification Authorities (CA) for HKTR-R system

The below section under the HKTR Administration and Interface Development Guide (Reporting Service) has been updated to include new global Certification Authorities (CA) for accessing the HKTR-R system. Should you have any enquiries, please contact the HKTR at 8100 3115 or email to hktr@hkma.gov.hk.

2.5.2 Internet User Authentication Using SSL Client Certificates

Participant users that access the HKTR-R system via the Internet are required to be authenticated when logging in using an SSL Client certificate (digital certificate). This is configured through the Maintain User Account UI function provided by the HKTR-R system. The URL associated with the access through Internet is the same one used for connecting to the primary or DR site.

At the time of user login, in addition to entering the user's Participant ID, User Name and Password, the user's SSL certificate is retrieved and forwarded to the HKTR-R system with the logon request. The login screen allows the user to select a certificate from the browser's certificate repository.

The credentials of the user's certificate are validated as follows:

- The user's certificate is checked for expiry;
- The certificate must be signed by a Certification Authority (CA) that is designated as a trusted CA by HKICL;
- The certificate is checked against the consolidated list of revoked certificates maintained for the HKTR-R system.

If this validation fails, the login request is rejected. The HKTR-R system will ensure that the SSL Client certificate associated with the user account can be shared within own participant but not shared between different participants during user account maintenance. The certificate revocation lists for the agreed CAs are maintained in the HKTR-R system and are updated periodically.

Digital certificate issued by the following authorized CAs will be supported by the HKTR-R system:

i) Local Certification Authority:

- Digi-Sign Certification Services Limited ("Digi-Sign")
- Hongkong Post

ii) Global Certification Authority:

- Geotrust
- Verisign¹
- Symantec²
- Entrust (Effective from 20 Nov 2017)
- IdenTrust (Effective from 20 Nov 2017)
- DigiCert (Effective from 21 April 2018)

Please note that the list of CAs above is not finalized and subject to change in future.

¹ Security Business of Verisign has been acquired by Symantec in 2010.

² Security Business of Symantec has been acquired by DigiCert in 2017.