

Ladies and Gentlemen, I would like to give you a brief introduction of one of the major government initiatives under the Smart City development, “iAM Smart”, which will be launched in the fourth quarter of this year, by then over 20 government online services will be accessible through “iAM Smart”.

Please note that all information in this video are provided for your information and reference only. The details are subject to the final system design and implementation.

All the contents in this video are copyright protected.

First of all, let me introduce what “iAM Smart” is.

“iAM Smart” is a common key provided to Hong Kong residents to log in various government and commercial online services with their mobile devices. After downloading the “iAM Smart” app and registering “iAM Smart”, the user will be able to use the app to log in various online services directly.

The Government will provide “iAM Smart” in the fourth quarter of 2020. Hong Kong residents can register for “iAM Smart” free-of-charge on voluntary basis.

“iAM Smart” Platform will provide services to “iAM Smart” users via the “iAM Smart” app.

It will provide 3 functions for the users, namely authentication, digital signing, and form filling which is also called “e-ME”. We will go through them one by one later.

“iAM Smart” Platform is targeted to support government and commercial online services, both web application and mobile app.

The target users of “iAM Smart” Platform are Hong Kong residents who are aged 11 or above.

The Government will provide several channels for residents to register “iAM Smart”. They may register online with their smart phones, or visit the self-service kiosks, service counters or mobile registration teams to register in person.

Now, let me go over the registration procedures of “iAM Smart”.

One of the methods to register “iAM Smart” is to apply online.

The applicant can simply download and install the “iAM Smart” app and then start the online registration.

First, the applicant is required to take a photo of the HKID card using the app. Information such as HKID card number, name and date of birth will be captured by the app.

Then, the applicant is required to take a selfie video with the app. The applicant will be asked to perform some random actions such as turning his/her head, blinking his/her eyes, etc. in order to show that the one in front of the app is a living person.

Both the HKID card information and the facial image from the selfie video will be used to match against the data in the Immigration Department. The results will be used by “iAM Smart” system to verify the identity and eligibility of the applicant.

If the checking result is positive, “iAM Smart” system will issue an “iAM Smart” account for the applicant right away and he/she can use “iAM Smart” immediately.

The second registration method is via the self-service kiosks which will be placed at various locations such as MTR stations.

The applicant is required to download and install the “iAM Smart” app before visiting the kiosks.

Instead of taking a photo of HKID card as in the previous case, the applicant will insert the HKID card into the kiosk. The kiosk will read the HKID card face data from the card chip directly.

Also, a selfie video will be taken by the camera of the kiosk. Both the HKID card data and the facial image from the selfie video will be used to match against the data in the Immigration Department.

The results will be used by “iAM Smart” system to verify the identity and eligibility of the applicant.

The third registration method is via service counter.

The applicant will need to download and install the “iAM Smart” app before visiting the counters.

Similar to the previous method, the applicant will insert the HKID card into an “iAM Smart” tablet, instead of the self-service kiosk, at the counter. The tablet will read the card face data from the card chip directly. The HKID card data will then be matched against the data in the Immigration Department.

However, no selfie videos will be taken for this method. Instead, the applicant is required to present the HKID card to the counter staff to verify the facial appearance to make sure that applicant is using his or her own HKID card for registration.

The same procedures apply to registration via mobile registration team.

This table summarises the details of the 3 registration channels and the functions users can be used through different means of registration.

For the first method which is registration via mobile app, the users will be able to use authentication and form filling functions.

For the second and third methods, in addition to the authentication and form filling functions, the users will be able to use the digital signing function as well.

Please note that the “iAM Smart” system will not store the facial image of the applicant. The facial image from the selfie-video will be removed from the system immediately after registration.

We have briefly mentioned the 3 functions of “iAM Smart”, which are authentication, digital signing and form filling.

Now let’s go through them one by one.

“iAM Smart” Platform will support two-factor authentication for login online service:

The first factor is the mobile device which is bound to an “iAM Smart” account.

The second factor is the built-in biometric authentication methods of the mobile device.

Users will be allowed to use the biometric authentication functions provided by their mobile devices, such as fingerprint and facial recognition, to authenticate themselves for using “iAM Smart”. Such biometric information will not be uploaded to the “iAM Smart” system.

Login can be done by simply scanning a QR code displayed on the webpage with the “iAM Smart” app.

The “iAM Smart” system will only keep the sign-in logs and will not keep the transaction details.

The “iAM Smart” system will deploy public key infrastructure and adopt recognized digital certificates for digital signing.

The “iAM Smart” account will be associated with a recognized digital certificate. The digital signature generated by such recognized digital certificate will satisfy the signature required by a rule of law according to the Electronic Transactions Ordinance.

With “iAM Smart” account, users can conduct digital signing with their mobile device securely and conveniently anytime, anywhere without the need of a digital certificate storage device and card reader.

Another function is form filling, or we call it “e-ME”.

“iAM Smart” users can enable their “e-ME” profile with the “iAM Smart” app.

Users can store their HKID card information and other personal data, such as email address and phone number in the “e-ME” profile on voluntary basis.

Upon users’ consent, these data can be used to fill out online forms.

Upon the launch of “iAM Smart” Platform, you will be able to use it to log in, digitally sign and fill in online forms conveniently for over 20 popular Government online services.

The online services include eTAX, e-services for public rental housing tenants, renewal of full driving licence, registration for employment services by job-seekers, etc.

Thank you for watching this video.