

More seamless and secure clearance

THE NEED FOR APICS

To reinvent checkpoint operations, the Immigration and Checkpoints Authority (ICA) leverages technology as an enabler to provide innovative solutions in the systems while facilitating timely immigration clearance without compromising security. The automated passenger in-car clearance system (Apics) will enable eligible car travellers to perform automated immigration self-clearance using fingerprint verification. As such, ICA officers can be redeployed to conduct checks on travellers posing higher risks.

1 FORWARD CLEARANCE ZONE

- Drivers have to step out of their cars to scan the passports of all passengers, similar to the self check-in kiosks at airports.
- Officers will be stationed near the kiosks to check the vehicle's cargo and count the number of passengers.
- Upon completion of the car inspection and passport scanning process, the first security barrier will be lifted and the car will proceed into the immigration clearance zone.

The vehicle's plate number, which is scanned by a camera, will be displayed on a television screen.

Car passengers in this zone can start on the immigration process, such as scanning of passports while waiting.



2 IMMIGRATION CLEARANCE ZONE

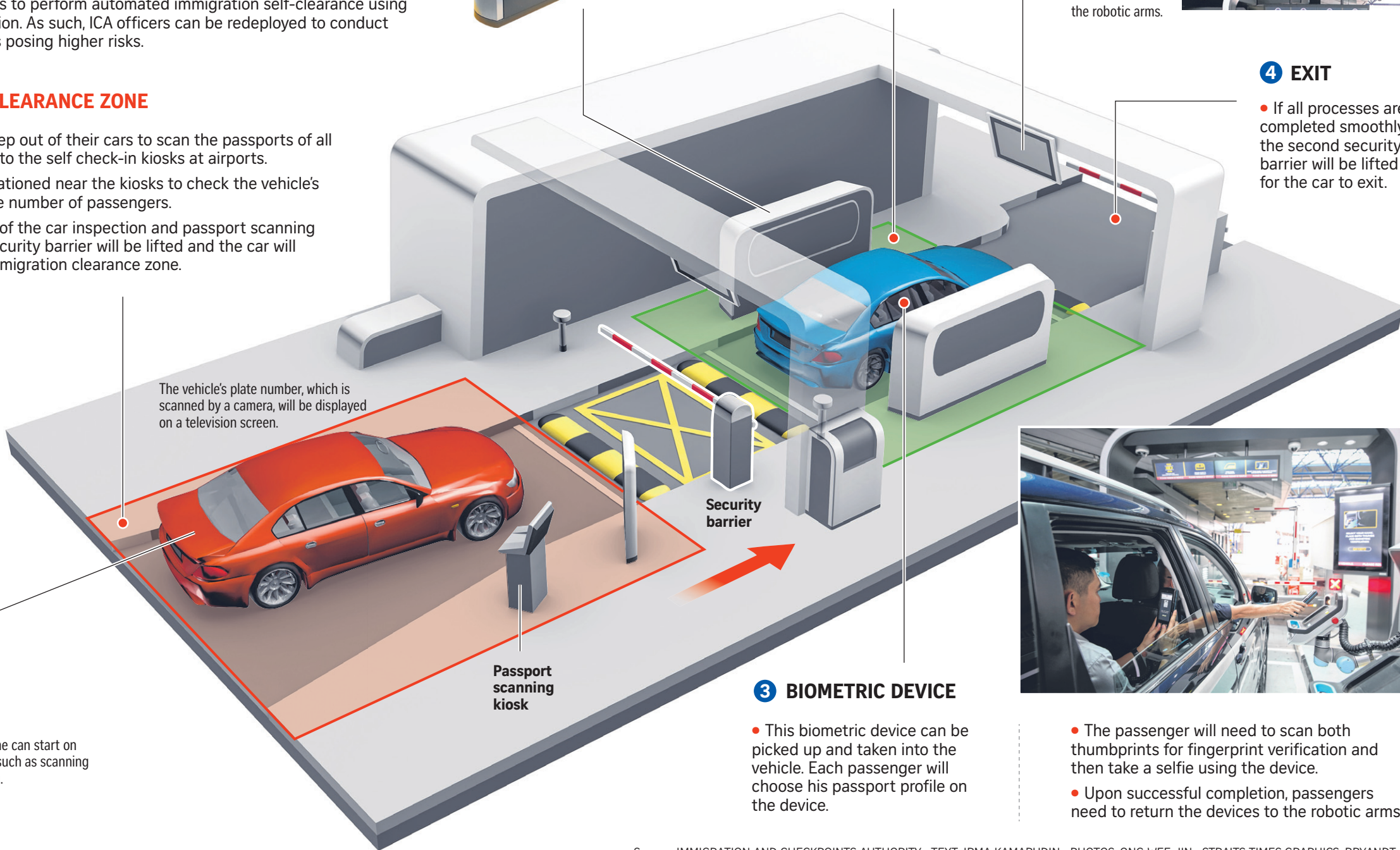
- In this zone, scanners with robotic arms, positioned on both sides of a vehicle, will locate the position of the car windows. Once they have done so, the robotic arms – each holding a wireless biometric device with a touch screen that shows passengers' passport details – will stretch towards the windows.

Several infographics will be shown on the television screens in this zone. These include an infographic which indicates whether all biometric devices have been returned to the robotic arms.



4 EXIT

- If all processes are completed smoothly, the second security barrier will be lifted for the car to exit.



3 BIOMETRIC DEVICE

- This biometric device can be picked up and taken into the vehicle. Each passenger will choose his passport profile on the device.



- The passenger will need to scan both thumbprints for fingerprint verification and then take a selfie using the device.
- Upon successful completion, passengers need to return the devices to the robotic arms.