Annex A – New Clearance Concept (NCC)

Illustration 1: Overview of NCC

- Given the security climate, heightened expectations of travellers, ageing population and shrinking labour force, and upcoming new border projects (e.g., Rapid Transit System), the demand for secure and efficient immigration clearance is expected to grow.

- ICA is fundamentally reviewing its concept of operations to automate routine processes and channel limited manpower resources to more important areas.

- Under the NCC, ICA will leverage data analytics and automated clearance for secured immigration clearance of passengers, conveyance, and cargo.

New Clearance Concept (NCC)

Data driven, pre-arrival risk assessment & automated clearance

FOR PASSENGERS

AUTOMATED CLEARANCE
(FOR FIRST TIME VISITORS)
- ↑ clearance throughput
- ↑ operational efficiency
- Higher-value work for officers

CONTACTLESS CLEARANCE
(FOR KNOWN TRAVELLERS)
- Iris and facial recognition without the need to produce passport

FOR CONVEYANCE

AUTOMATED CLEARANCE
- Self-immigration clearance for passengers in the car

AUTOMATED SECURITY CHECKS
- Leverage scanning technologies and sensors to automate security checks

FOR CARGO

AUTOMATED CLEARANCE
- Paperless cargo permit clearance
- Automate immigration process for drivers and their attendants
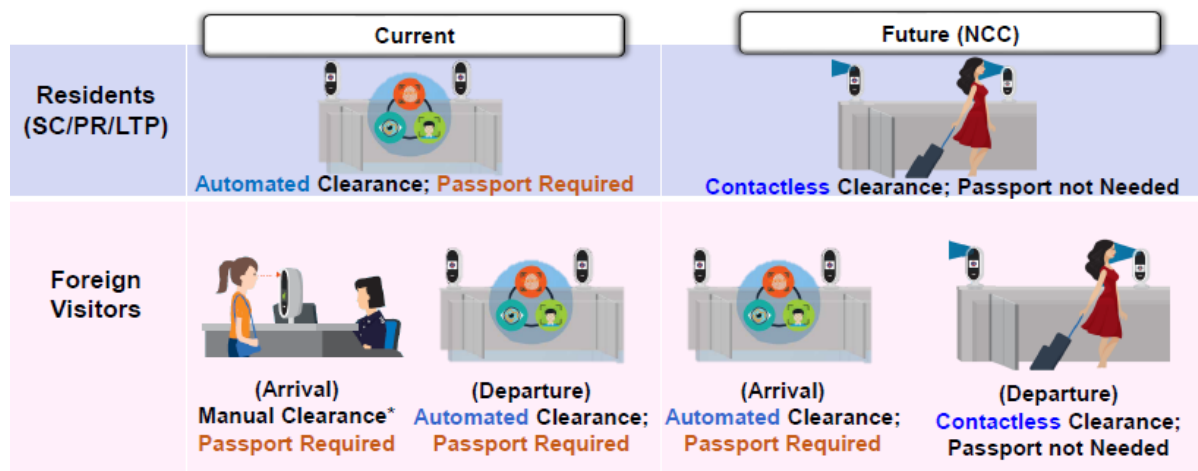
ENHANCED SCANNING CAPABILITIES
- Leverage AI to strengthen detection capabilities

Illustration 2: NCC (Passengers)

- ICA will introduce NCC for passengers starting from 2024. The envisaged outcome is to automate and digitalise the end-to-end clearance process for all travellers, including foreign visitors. All travellers will be able to use automated lanes for clearance.

NCC (Passengers) – Automated and Contactless Clearance

	Current	Future (NCC)
Residents (SC/PR/LTP)	Automated Clearance; Passport Required	Contactless Clearance; Passport not Needed
Foreign Visitors	(Arrival) Manual Clearance* Passport Required — (Departure) Automated Clearance; Passport Required	(Arrival) Automated Clearance; Passport Required — (Departure) Contactless Clearance; Passport not Needed

*Selected nationalities are eligible for arrival automated clearance under the Automated Clearance Initiative (ACI)

Illustration 3: NCC (Conveyance)

- By early 2024, before arriving at the checkpoints, car travellers can self-generate a 'passport' QR code via the MyICA mobile app. Travellers can generate an individual QR code by retrieving key information via Singpass or scanning their passport's Machine-Readable Zone. The latter method can also be used to register multiple persons' details to create a group QR code.

- When the car arrives at the immigration counter, the driver will self-scan the QR code for ICA to retrieve backend the profiles and photos of all the travellers in the car. (First time foreign visitors will still be required to present their passport for immigration clearance.) ICA officers at the car counter will then conduct facial checks and assess entry eligibility. When all travellers are cleared, the drop arm barrier will be lifted, and the car can exit the lane.

MyICA Mobile

Self Generation of QR Code

i. Travellers provide Singpass / Passport MRZ details for creation of Individual or Group QR Code

1. Conveyance Checks

2. Immigration Clearance

1 Manual checks performed by APO

2
- Driver or front-row pax to self-scan QR Code (Individual or Group)
- First time visitors to present passport for officer to scan
- Officer to conduct facial checks and assessment
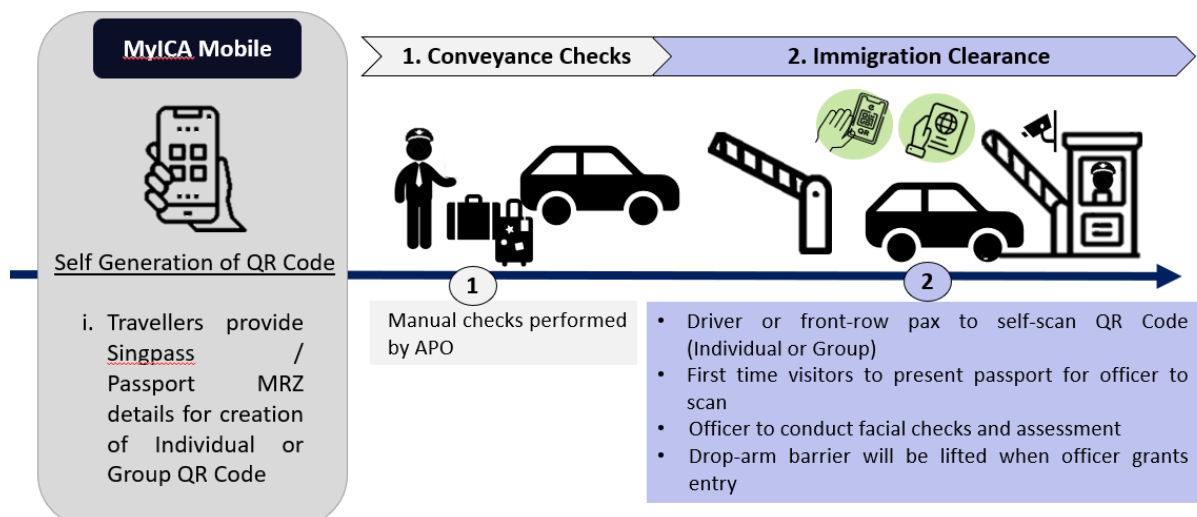- Drop-arm barrier will be lifted when officer grants entry

<u>Illustration 4: NCC (Cargo)</u>

- Previously, drivers were required to present hardcopy cargo clearance permits to ICA officers for scanning. From March 2023, drivers or traders can submit the cargo permit numbers and vehicle number to ICA online before the vehicle arrives at the checkpoint.

- ICA will then retrieve the information backend without ICA officers having to manually scan each hardcopy permit for clearance. This process reduces the cargo clearance time by around two minutes per vehicle and benefits the drivers with shorter waiting time.

NCC (Cargo) – Paperless Cargo Clearance

1. Drivers/freight forwarders will submit their vehicle number and Cargo Clearance Permit (CCP) numbers via SGAC Cargo Module before seeking cargo clearance at the checkpoints.

2. The submitted information will be transmitted to the Cargo Screening System (CASS).

3. At the checkpoints, officers will enter vehicle number into CASS to retrieve the tagged CCP numbers.

   NOTE: Drivers need not produce hardcopy CCPs and officers are not required to manually scan CCPs individually.