



EES Solutions for Border Security and Passenger Facilitation at land/sea borders



Land Borders: The elephant in the room:



What is the benefit of securing air borders
if our land borders are leaking?

EU Pre-Travel information of TCNs planned trips

IF VISA REQUIRED

Confirmation of fingerprints in VIS using ABC and registration into EES



IF VISA WAIVER

Registration of 4FP and Face at border control desk into EES



EXPEDITED EXIT :



or



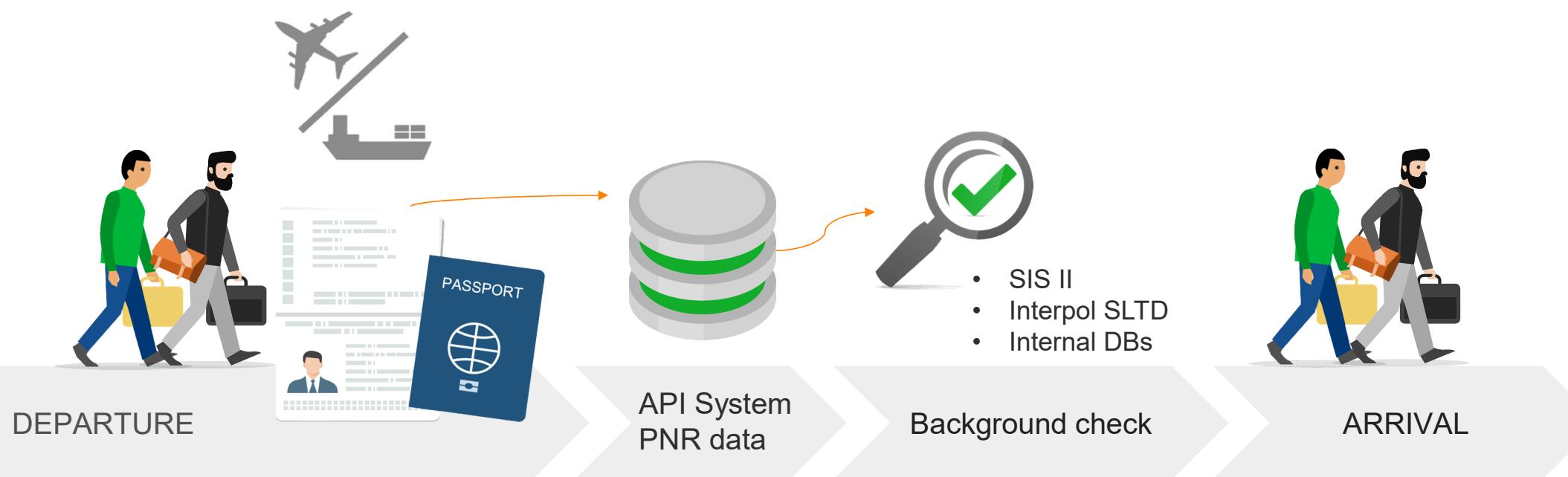
& NEXT VISITS



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Air and Sea: API/PNR data to forewarn receiving government

Possibility to focus on high risk travelers by collecting passenger info in advance



What about Road and Rail?

Challenges with road and rail borders



- **FRAGMENTED:** Road borders are not homogenous – motorways, single lane, country roads
- **ENVIRONMENTAL CHALLENGES:** freezing temperatures, rain, darkness, vibration
- **EFFICIENCY:** FastPass trial showed it can be done, but slow and expensive
- **IMPLEMENTATION:** Collecting 4FP + Face from cars/trains presents massive logistical challenges

Problem Definition

How can the requirements of EES be met at ROAD and RAIL borders

- ✖ Without compromising security
- ✖ Without delaying traffic unnecessarily



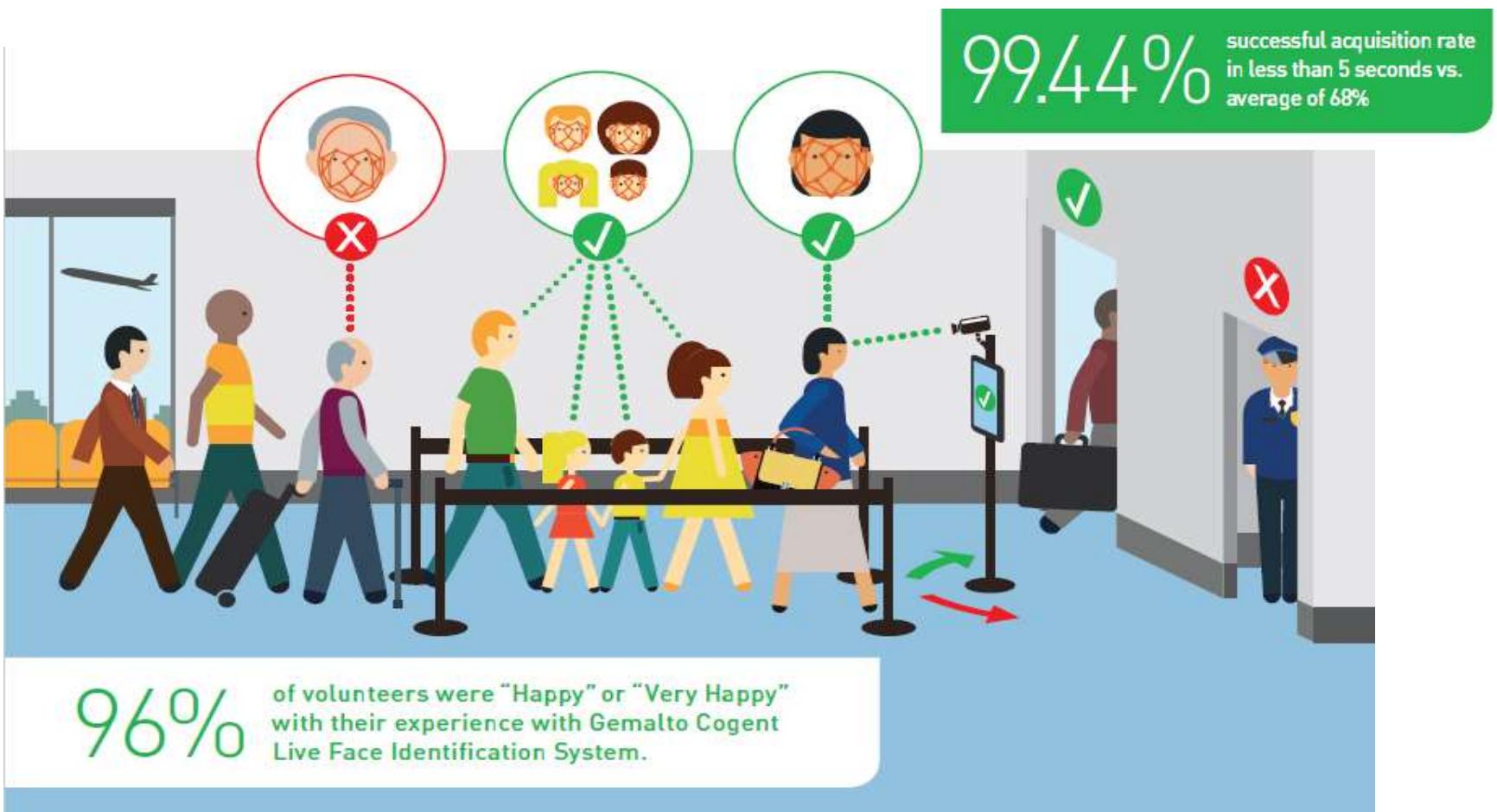
Registered Traveller Programs could be part of the solution

Member States may introduce a national **Registered Traveller Scheme** if they wish



- **Improve acceptance with RTP Enrolment** that could be performed from home
- **Enrolment completion** at controlled environment like border point or embassy ensures the quality of data
- **Enables pre check** as for the Air- and Sea border and facilitates risk management
- **Facilitates border crossing** due to the use of another authentication method like Facial recognition

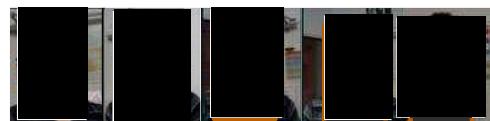
DHS 2018 Biometric Technology Rally



Facial capture in vehicle using Live Face Identification System



Model



Matching

Database

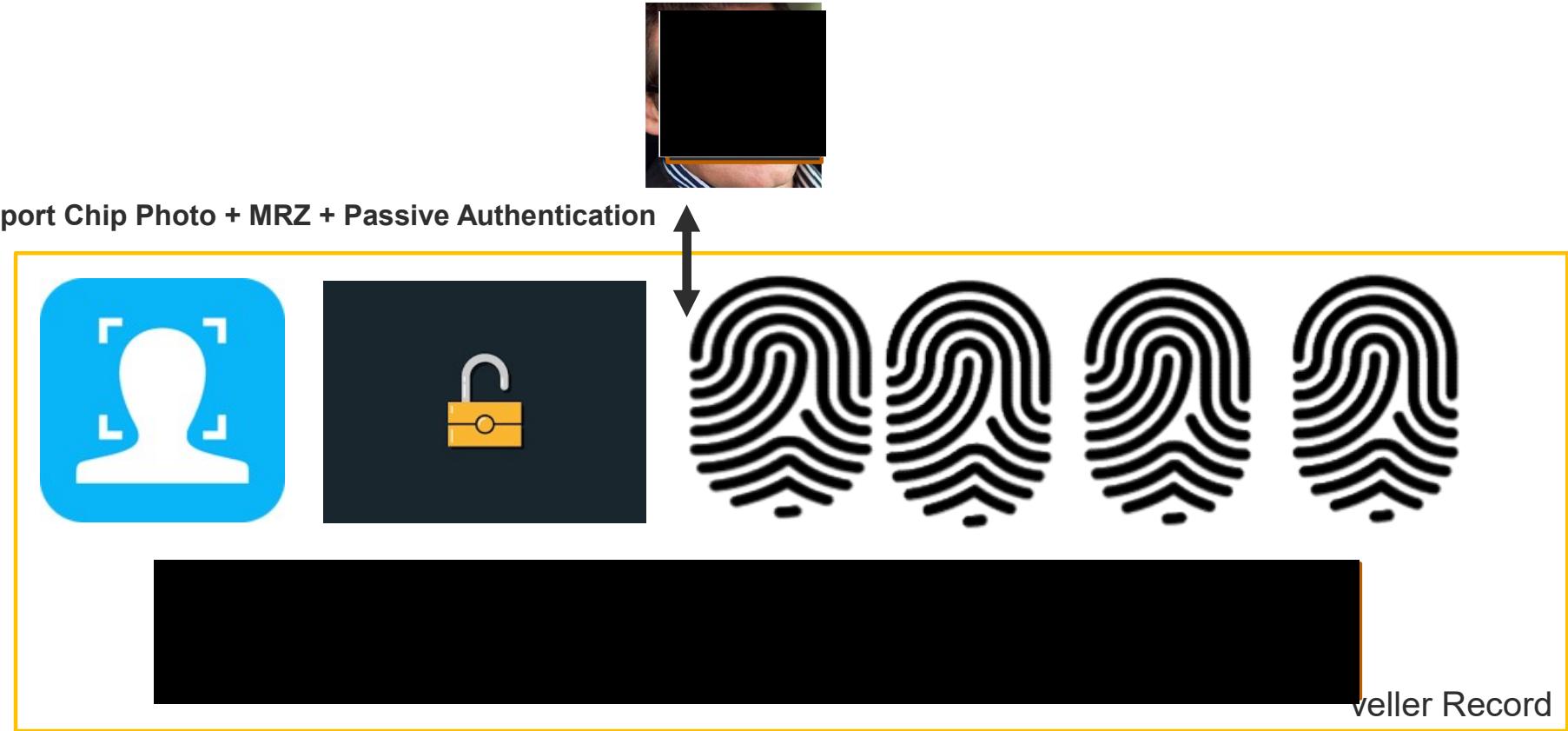


HIT

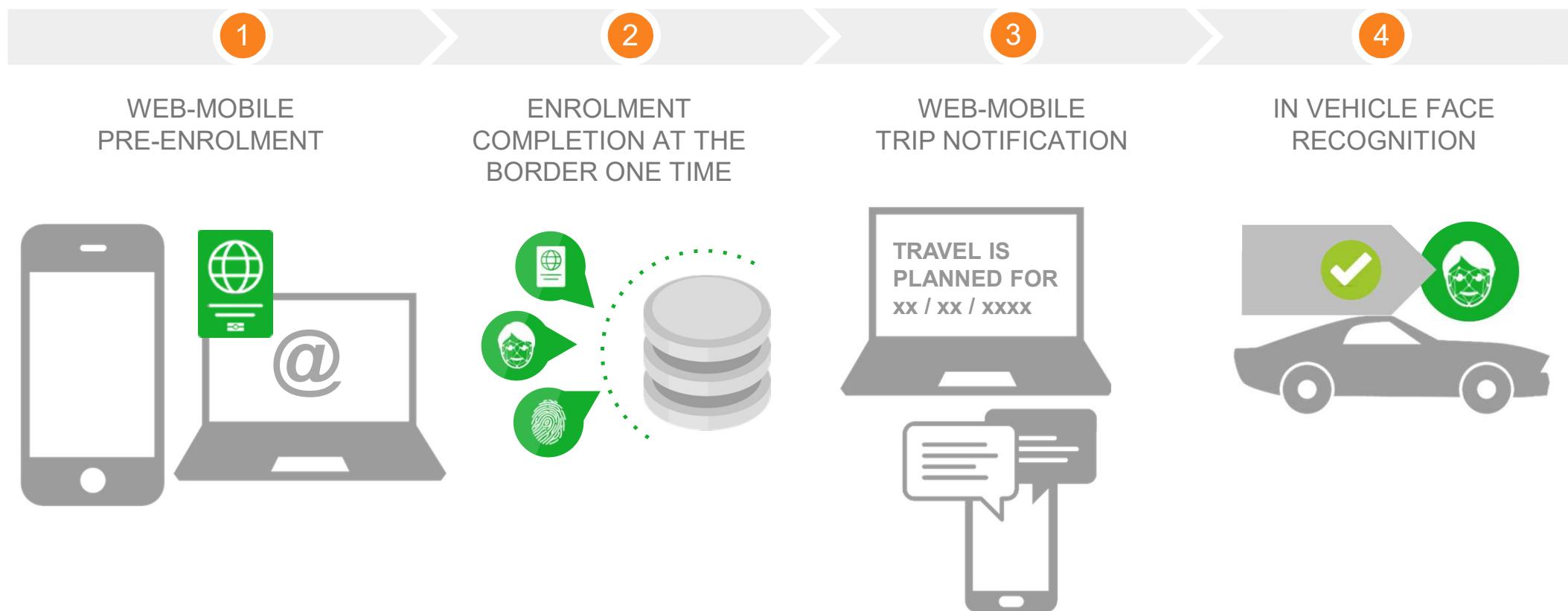
Other vendors
are available

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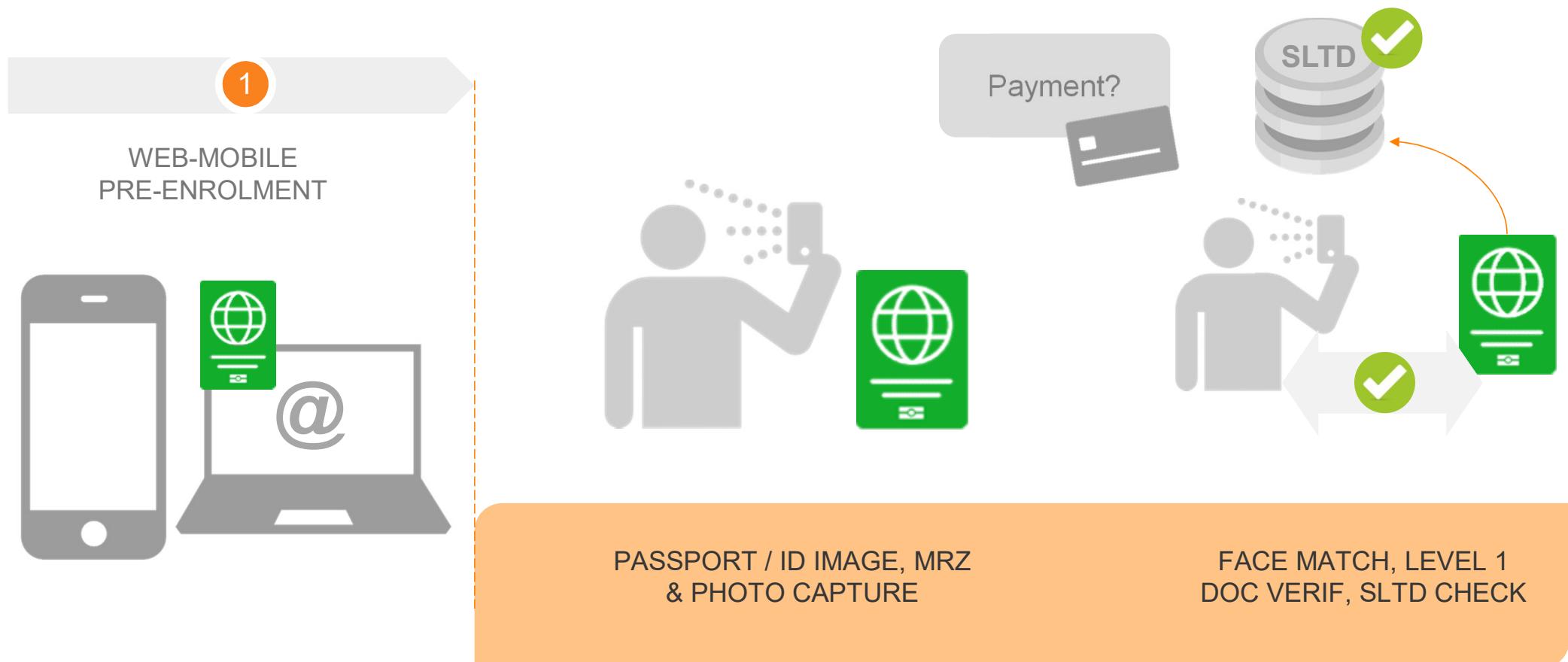
We propose to provide all the necessary elements for EES using live facial capture alone



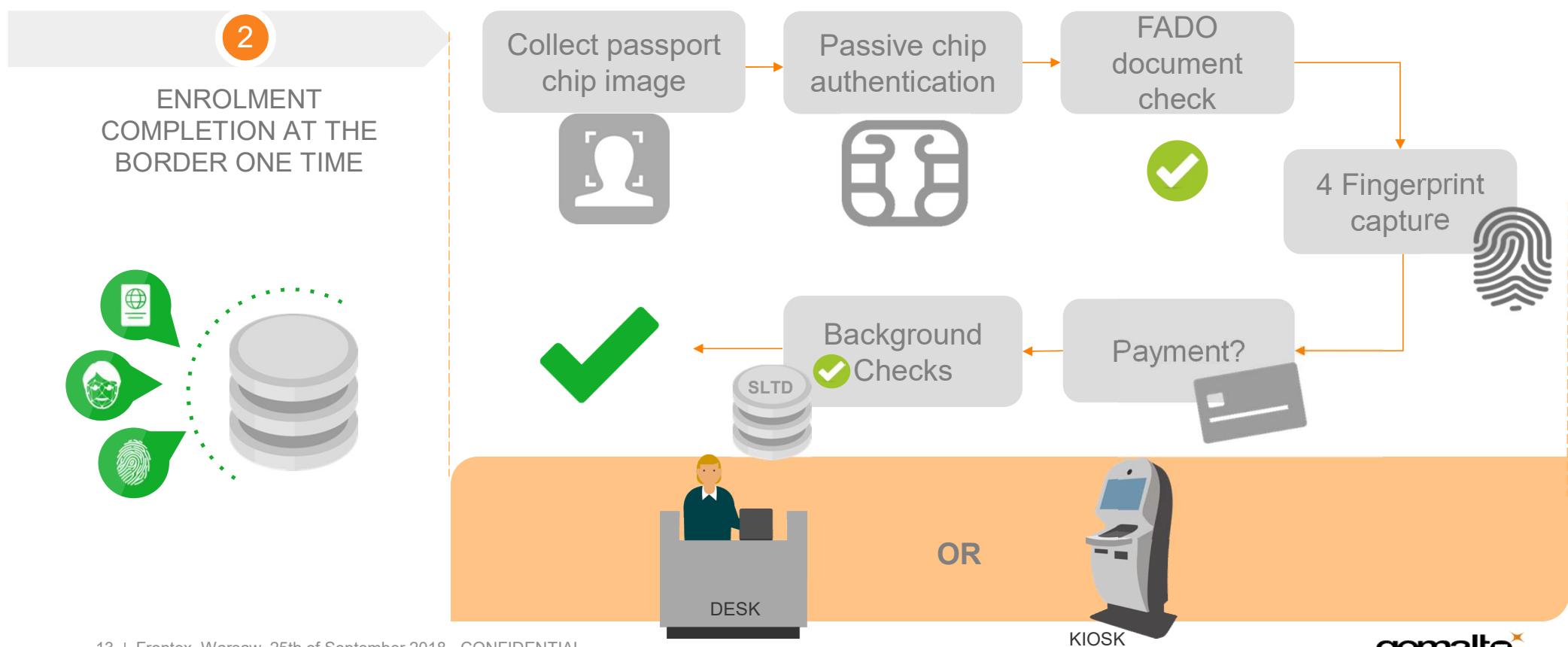
We see a 4-Step process for RTP



Step 1 – Pre-enrolment from mobile/web



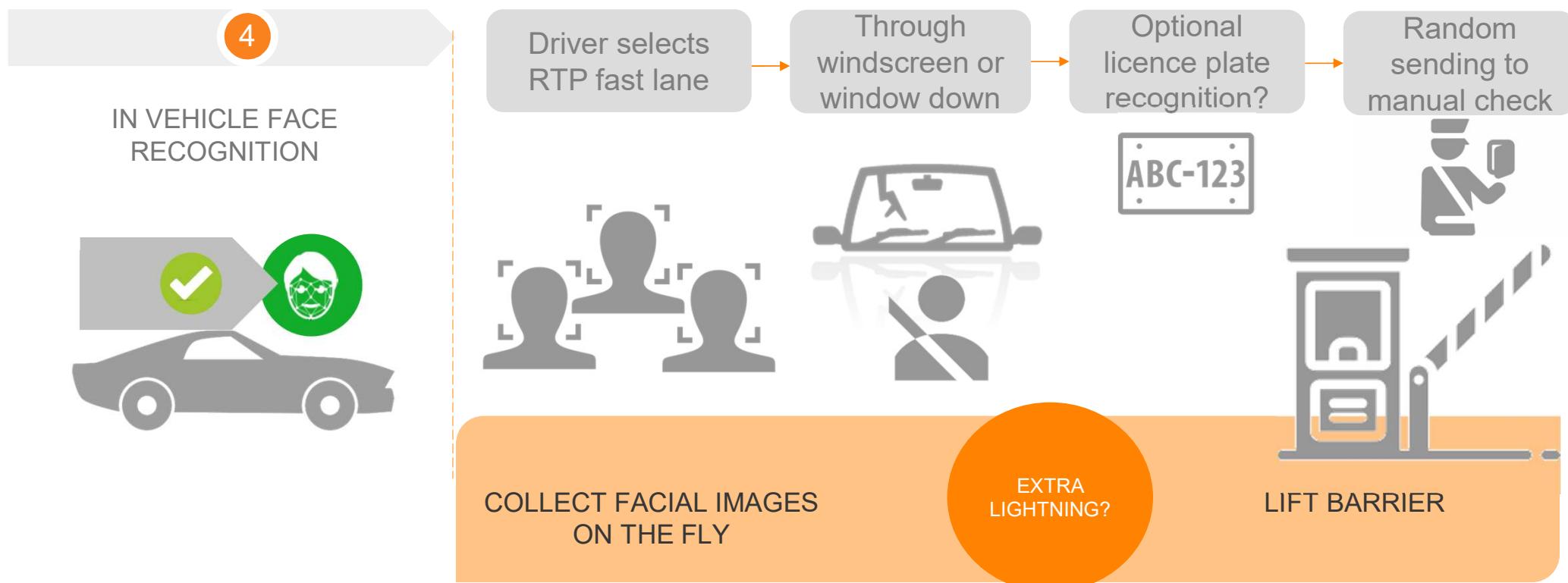
Step 2 – Enrolment completion at the border



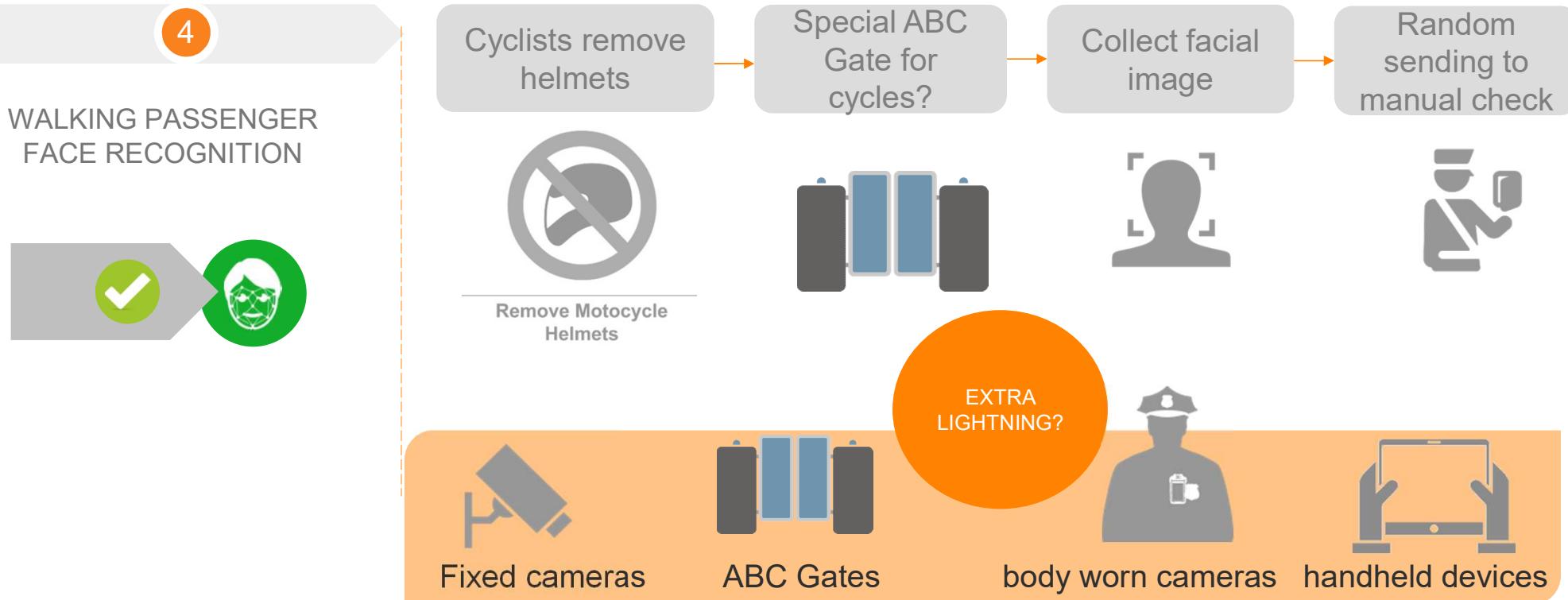
Step 3 – Trip Notification (Optional step)



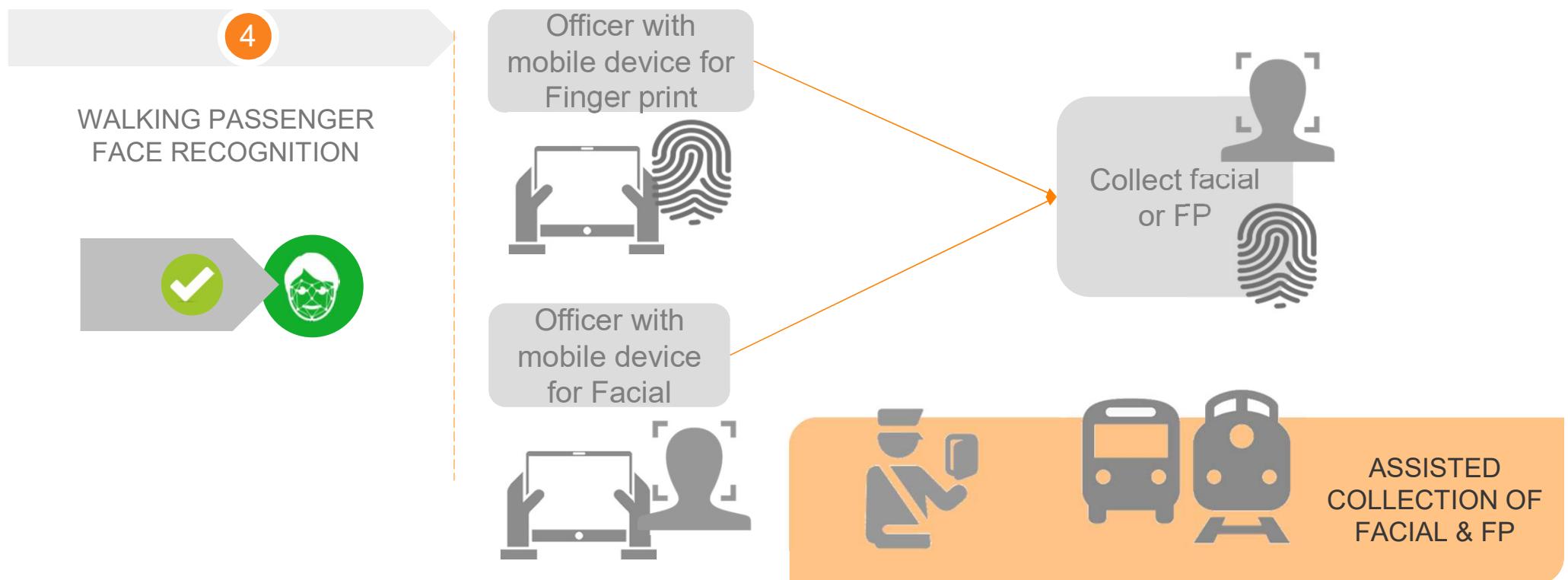
Step 4a – In Vehicle Face Capture – Road or Ferry



Step 4b – Walking passengers, Cyclists - Officer-assisted



Step 4c – Sitting passengers, train, bus - Officer-assisted



Homogenous approach

	Visa By-Air	Visa-Waiver By-Air	VISA/Visa Waiver by Land/Sea	RTP Member By Land/Sea	RTP Member By Rail
Enrolment point	VISA At embassy	ETIAS Mobile/Web	VISA At embassy	RTP app Mobile/Web + Kiosk at border or rail station	
Trip notification	API & PNR		?????	Mobile/Web?	
Biometric at border	10FP at embassy + face at border	4FP + face at border	10 FP at embassy Or 4 FP at border +face at border	4 FP + face at border first time, then face or 4FP by mobile (train only)	
Doc Check			MRZ + Chip FADO,Pass Auth		
Entry point	Counter				
Exit point			Out of vehicle or officer with mobile	In vehicle	On train
Next entry	ABC				

Conclusions

Land borders are a weak link to address to close the loop



- **HOMOGENIZE:** if we are not controlling land borders, solutions at airports have limited value
- **LOGISTICAL CHALLENGE:** can be addressed by implementing RTP. Legal challenge to address
- **EFFICIENCY & SECURITY GAINS:** No passport reading on the border, opportunity for risk assessment
- **TECHNOLOGY:** Gemalto has a range of technology to help solve many issues at land and sea.



Thank-You!

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