ICAO80
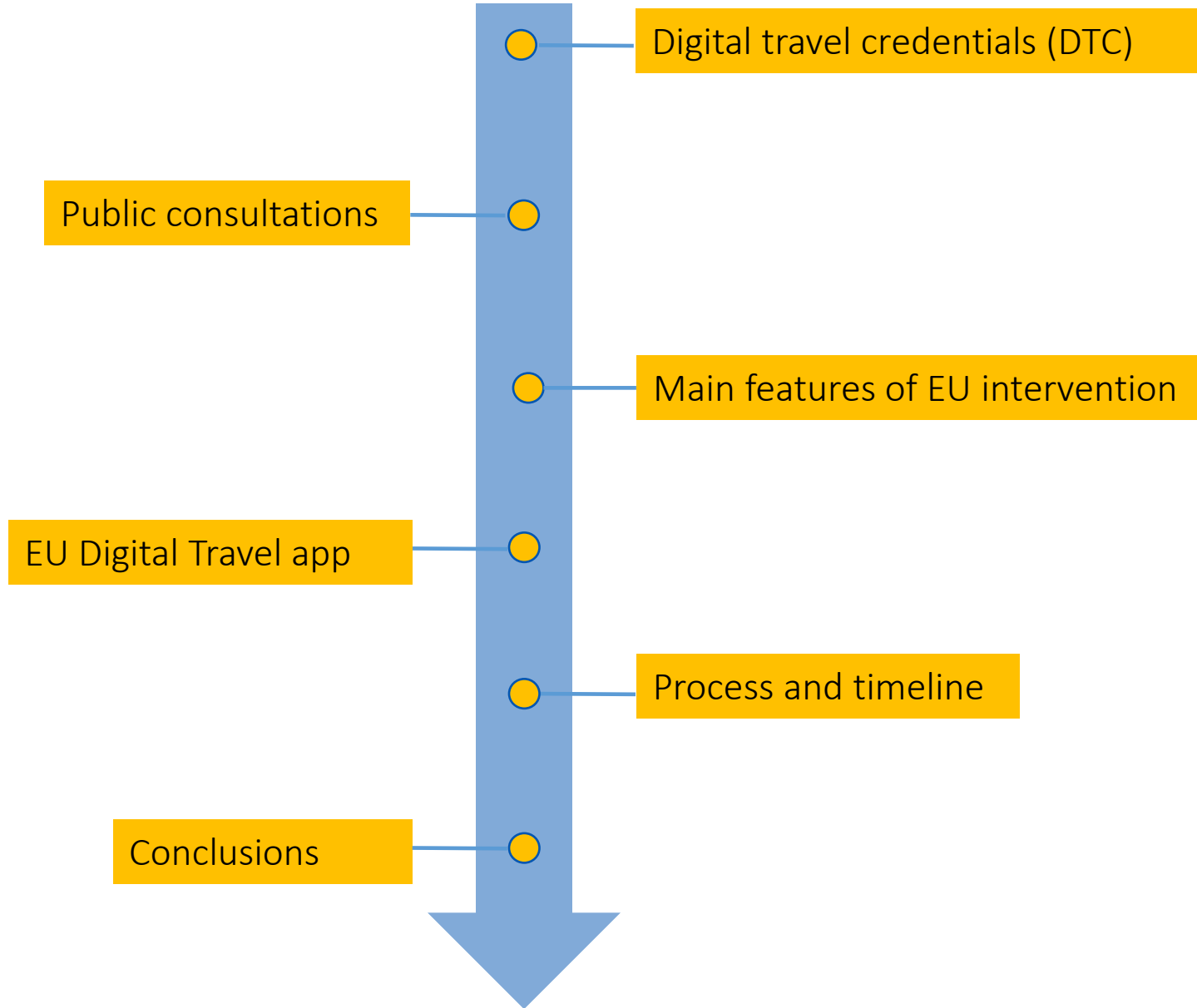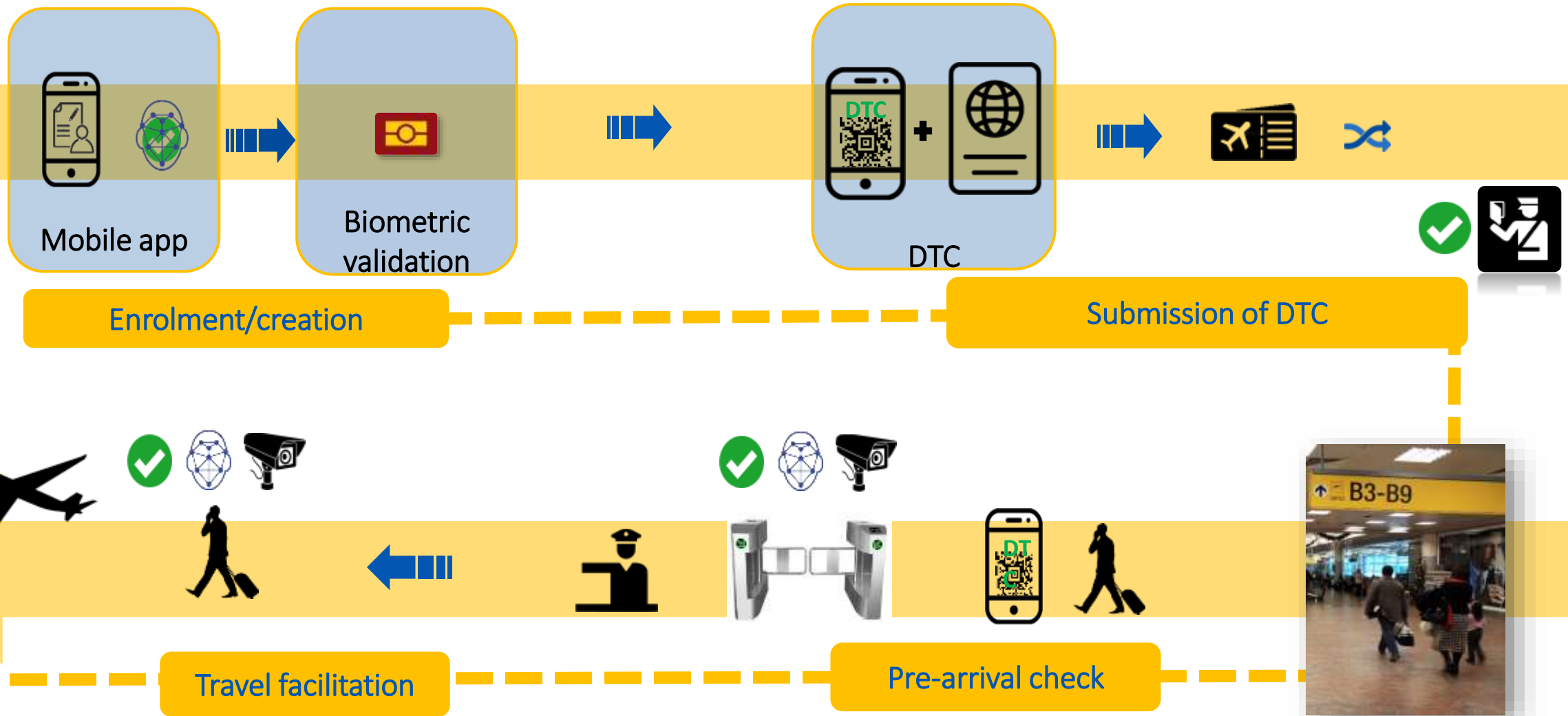
2024 ICAO TRIP SYMPOSIUM

MONTRÉAL , CANADA | NOVEMBER 13-15

Facilitation and Digitalisation in the EU

Mikko Hakkarainen

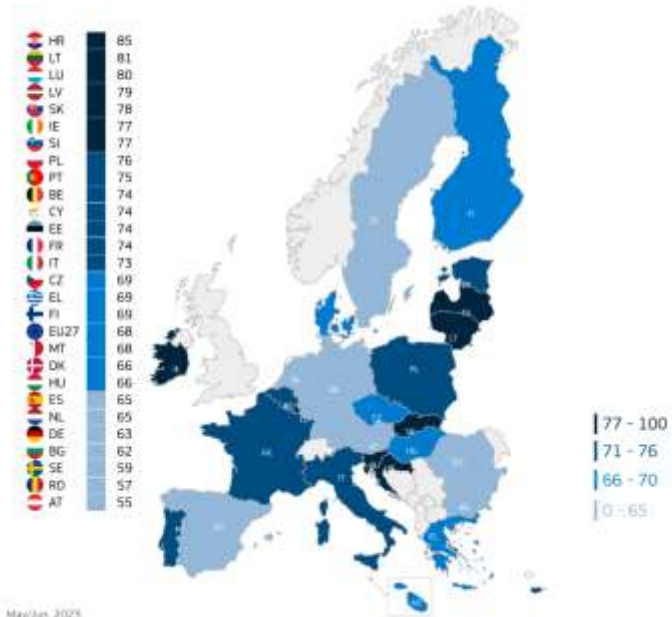Team Leader, Document Security and Identity Management

European Commission

Digital travel credentials (DTC)

Public consultations

Main features of EU intervention

EU Digital Travel app

Process and timeline

Conclusions

ICAO TRIP 2024

DTC: border check use case

Mobile app

Biometric validation

DTC

Enrolment/creation

Submission of DTC

Travel facilitation

Pre-arrival check

B3-B9

At least 8 in 10 believe that Member States should be obliged to provide Digital Travel Credential to their citizens
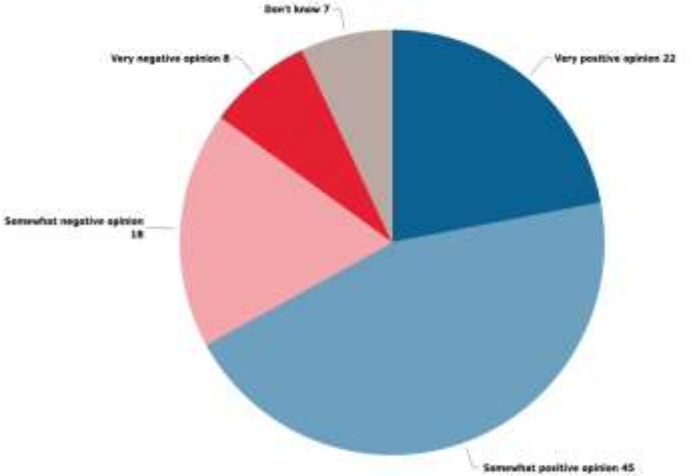
QA22. Do you think all EU Member States should be obliged to provide the possibility of having a Digital Travel Credential to their citizens? – Total 'Yes' (%)

HR	85
LT	81
LU	80
LV	79
SK	78
IE	77
SI	77
PL	76
PT	75
BE	74
CY	74
EE	74
FR	74
IT	73
CZ	69
EL	69
FI	69
EU27	68
MT	68
DK	66
HU	66
ES	65
NL	65
DE	63
BG	62
SE	59
RO	57
AT	55

Legend:
- 77 – 100
- 71 – 76
- 66 – 70
- 0 – 65

May/Jun. 2025

Base: *all respondents (26,358)*

Almost 7 in 10 respondents are positive about DTCs

QA15. What's your general opinion about Digital Travel Credentials (DTCs)? (EU27) (%)

Don't know 7

Very negative opinion 8

Very positive opinion 22

Somewhat negative opinion 18

Somewhat positive opinion 45

May/Jun 2023

Base: all respondents (26,358)

Almost 7 in 10 respondents are in favour of the use of DTCs when going through border checks

QA16. Are you personally in favour or opposed to the use of digital travel documents (for example with no more need to present any documents when boarding a plane, automated boarding gates which match the entitled ticketholder with facial recognition) when travelling to or outside the Schengen Area? (EU27) (%)
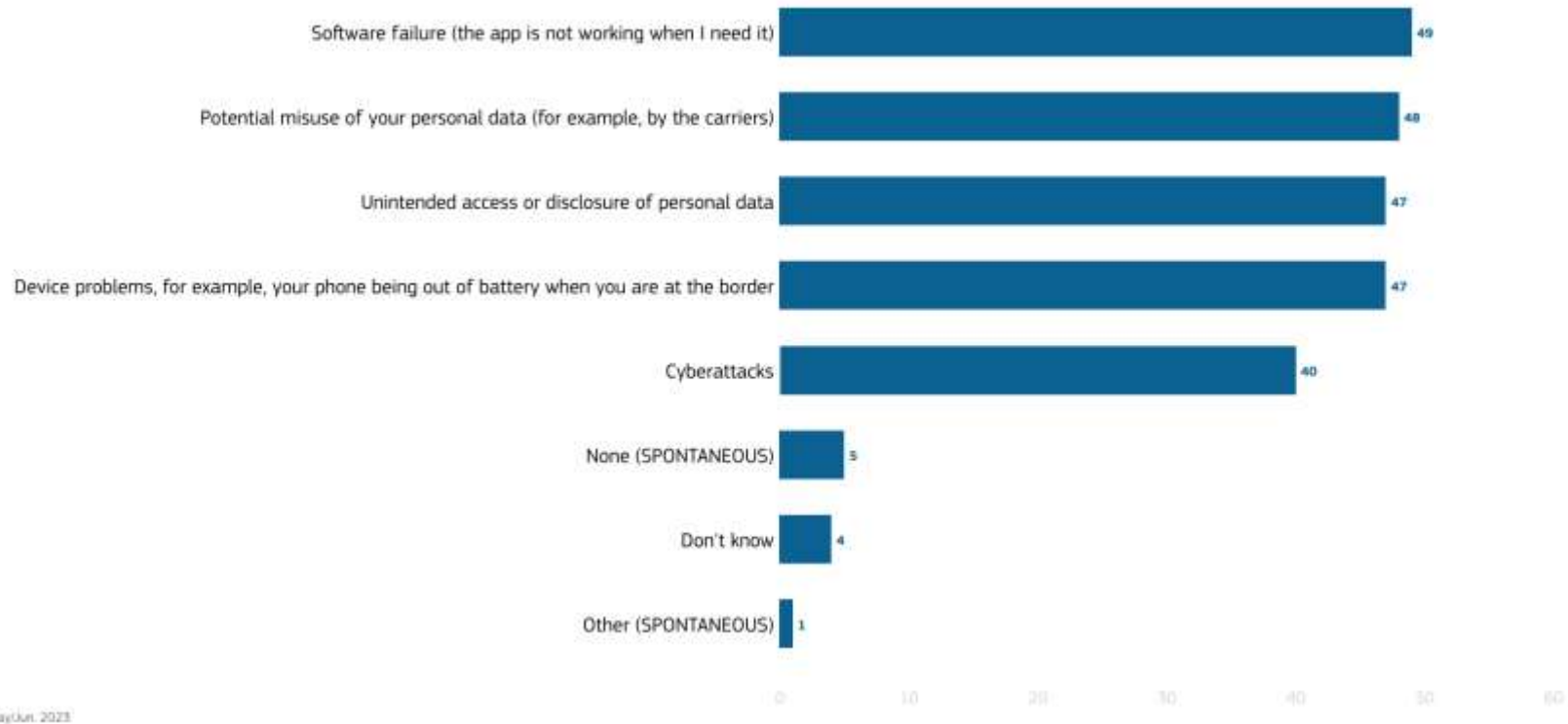

Don't know 4

Strongly opposed 8

Strongly in favour 24

Somewhat opposed 19

Somewhat in favour 44
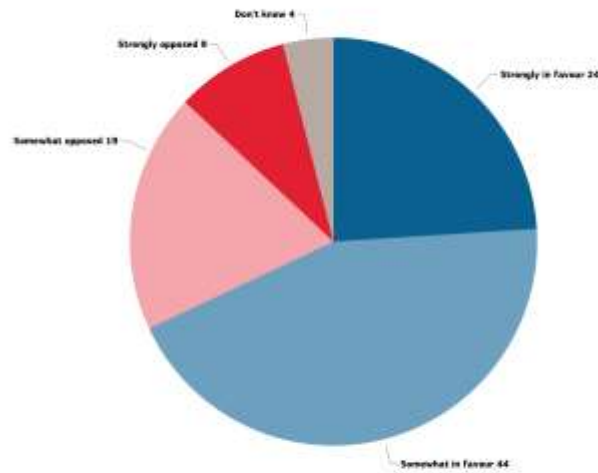
May-Jun 2023

Base: *all respondents (26,358)*

For almost 5 in 10 respondents, the main concern about using DTCs is software failure

QA18. What concerns, if any, do you have about using Digital Travel Credentials? (MULTIPLE ANSWERS POSSIBLE) (EU27) (%)
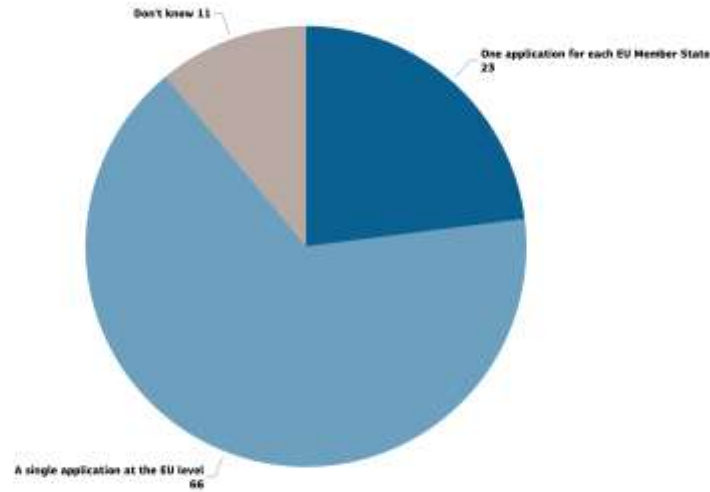

May/Jun. 2023

More than 6 in 10 respondents would prefer a single application at the EU level

QA19. Would you prefer to have one application for each EU Member State, or a single application at the EU level, containing a common EU Digital Travel Credential standard? In the first case, this means that depending on the countries you are traveling to and from, you might have to download several applications. (EU27) (%)
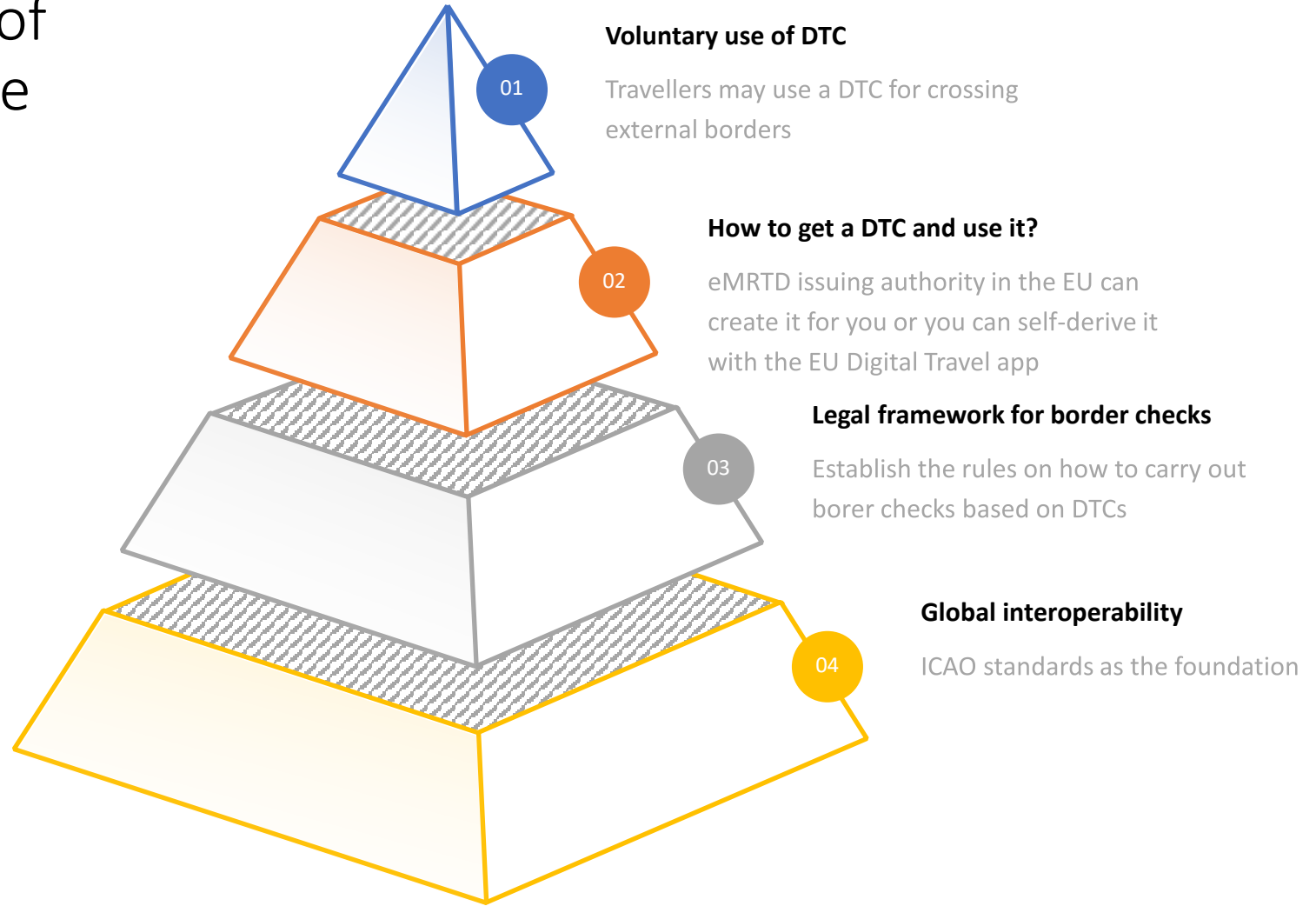

Don't know 11

One application for each EU Member State 23

A single application at the EU level 66

May/Jun 2023

Base: all respondents (26,358)

Main features of the EU initiative

Voluntary use of DTC

01

Travellers may use a DTC for crossing external borders

How to get a DTC and use it?

02

eMRTD issuing authority in the EU can create it for you or you can self-derive it with the EU Digital Travel app

Legal framework for border checks

03

Establish the rules on how to carry out borer checks based on DTCs

Global interoperability

04

ICAO standards as the foundation

Components of EU Digital Travel app – derivation of DTC (common for EU and non-EU nationals)

1. Derivation of DTC from eMRTD

2. Document validation (PA, AA/CA with PKI)

3. Biometric matching of live user against DG2

Components of EU app – retrieve DTC in digital wallet (EU nationals only)

ICAO
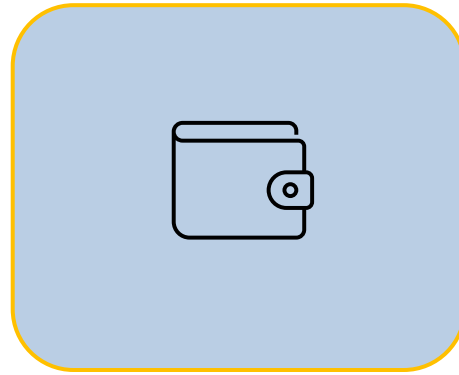
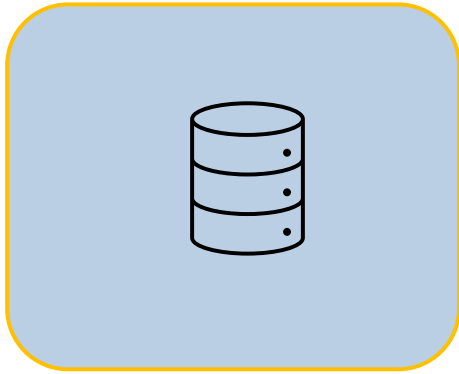4. EU nationals may have DTC in their EU Digital Identity Wallet

- App should be able to retrieve it for use

Components of EU app – entry of travel related data (common for EU and non-EU nationals)

5. Travel related data
a) Intended travel date
b) Window of time for crossing border
c) Member State of border crossing

Components of EU app – data storage and security

6. Data storage
- No personal data stored centrally at EU level
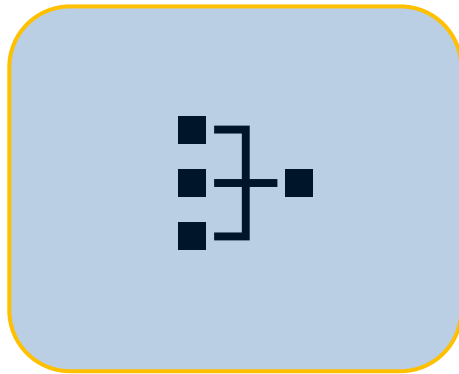- Only statistics to be collected at EU level

7. Data security
- Protect against cyberattacks, encryption to protect personal data

Components of EU app – submission of DTC and travel related data
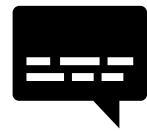

User submits via app

Traveller Router receives
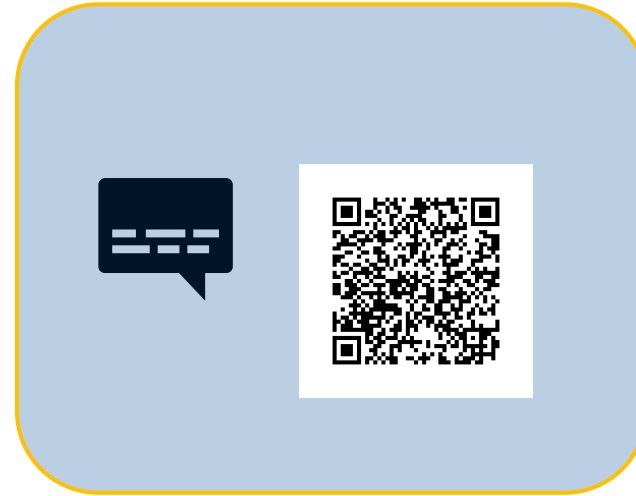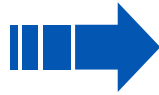
Traveller Router transmits to competent MS

App transmits acknowledgement of receipt to user

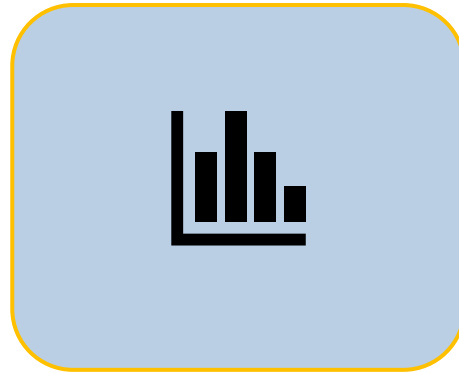# Components of EU app – messaging and instructions

In backend, authority carries out check on document, databases etc.

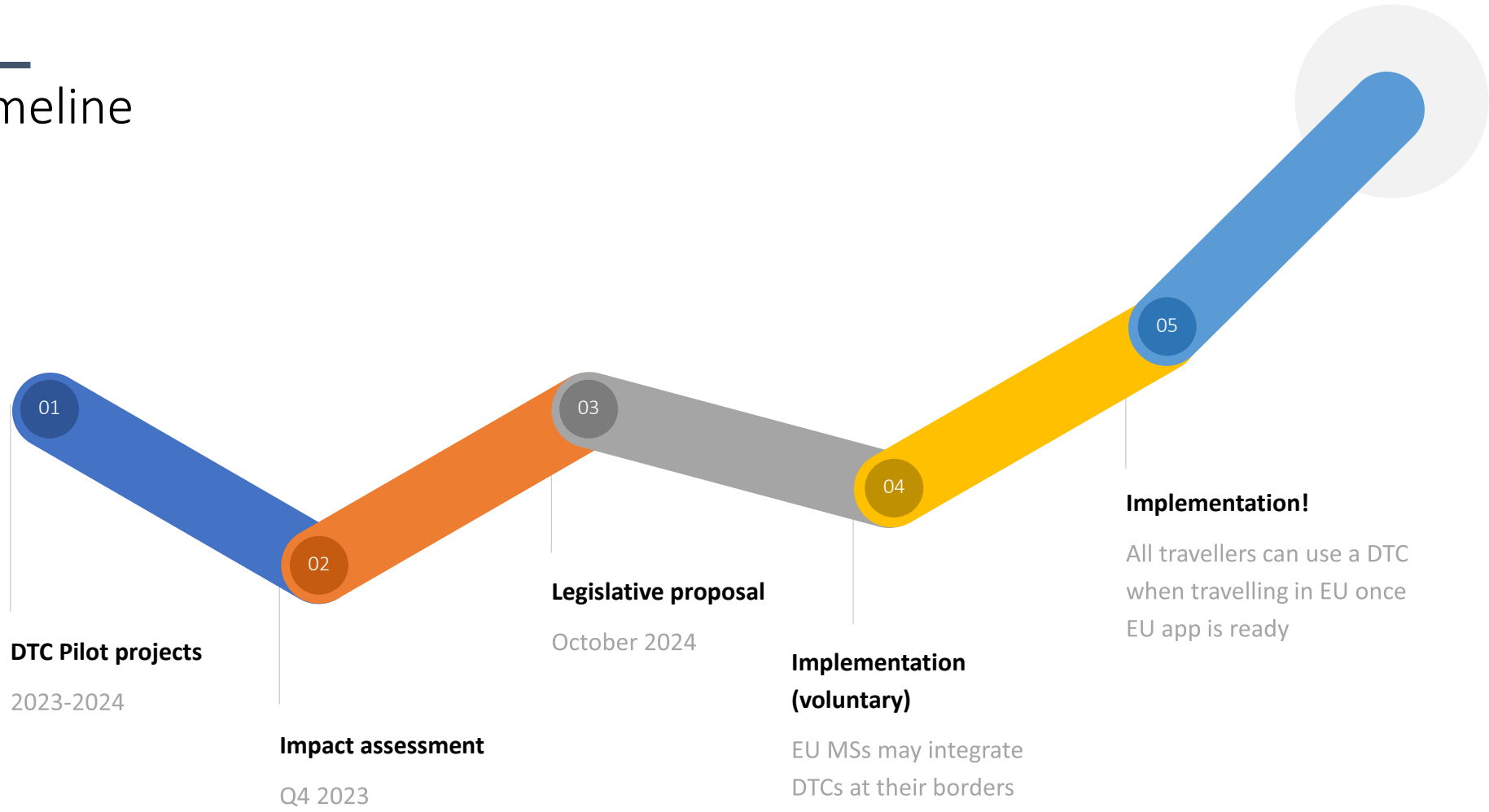Authority informs user via app how to proceed

Components of EU app – statistics and logging

10. Statistics and logging
- User volume (incl nationalities)
- Number of submitted entries
- Modes of transport
- Failed transmissions (reasons)
- Failed document verifications (country + reason)
- Failed biometric matches (nationality + reason)

Timeline

01

02

03

04

05

DTC Pilot projects

2023-2024

Impact assessment

Q4 2023

Legislative proposal

October 2024

Implementation (voluntary)

EU MSs may integrate DTCs at their borders

Implementation!

All travellers can use a DTC when travelling in EU once EU app is ready

Conclusion

➢ Voluntary use of DTC for travellers

➢ DTC will not fully replace physical documents

➢ Establish the 'EU Digital Travel application', one-stop-shop app

➢ Legal framework on border checks

➢ Further pilot projects

Thank You