



NTT Data

eu-LISA Roundtable

**EES Register Tablet Solution
Used in Frontex EES Pilot**

06/2022

**FUTURE
AT HEART**

• INTRODUCTION TO NTT DATA

- NTT DATA is a TOP 10 IT Service company in the world. We work with our customers to innovate. NTT DATA is part of the NTT Group.

+139,000
professionals

TOP 10
leading company in the IT Service*

\$22
billion in total
revenue

+50
countries where we
operate

* Gartner, "Market Share: IT Services, Worldwide 2020",
Dean Blackmore, et. al, published on April 8, 2021

DATA AS MARCH OF 2021

NTT DATA Public Safety & Defence



Digital Identity / Smart Borders

Connected Agent



Surveillance and Operational Management



Intelligence



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FRONTEX EES PILOT CONTEXT



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Location : between Gibraltar and La Línea de la Concepción

EES Pilot was a POC to test in **production environment** new seamless concepts for border crossing and in particular **the portable unit** for:

- **Pedestrians**
- **All types of travellers**
- **TCN registration in EES**

TRAVELLER FLOW

1. ENROLMENT

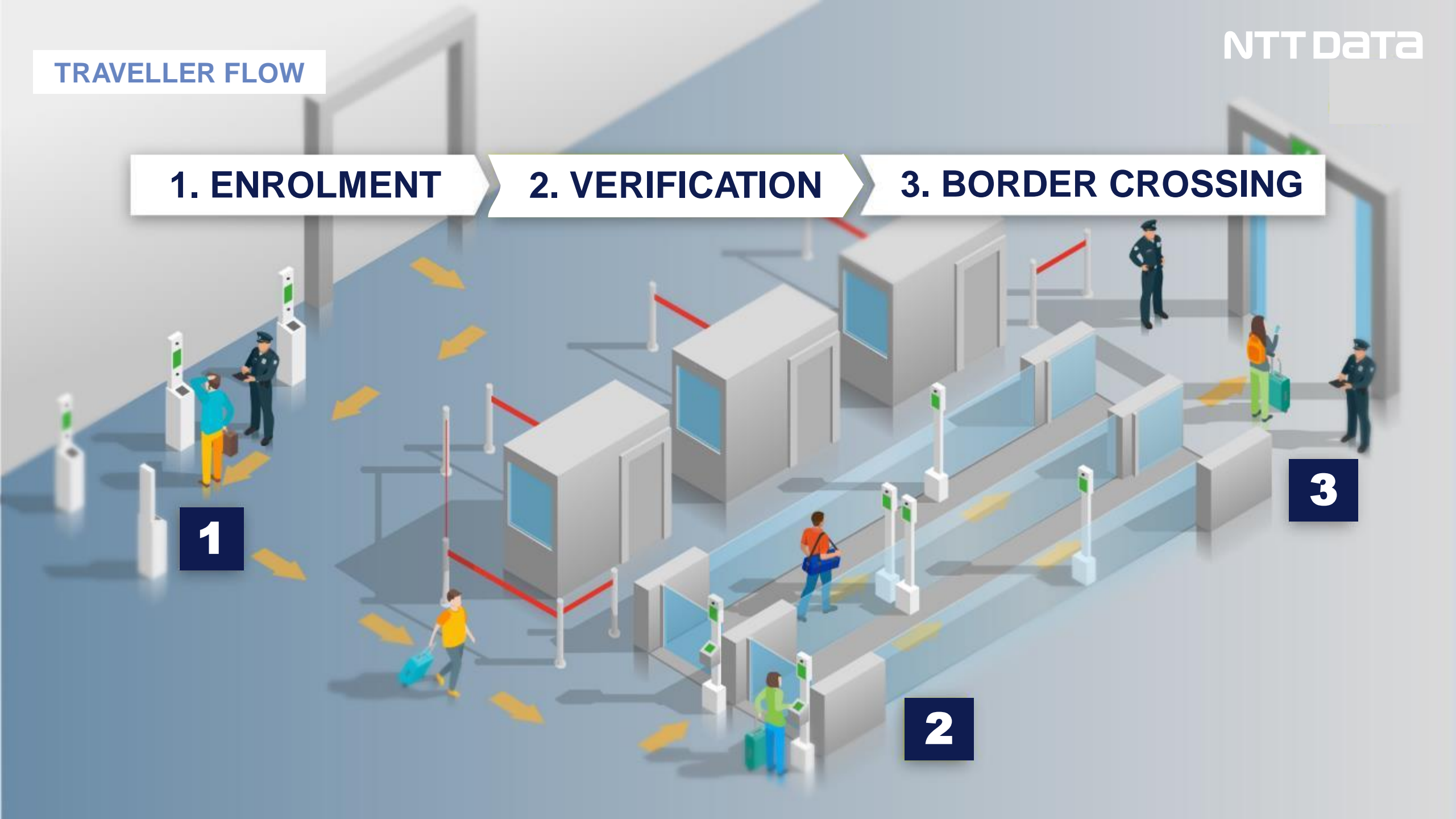
2. VERIFICATION

3. BORDER CROSSING

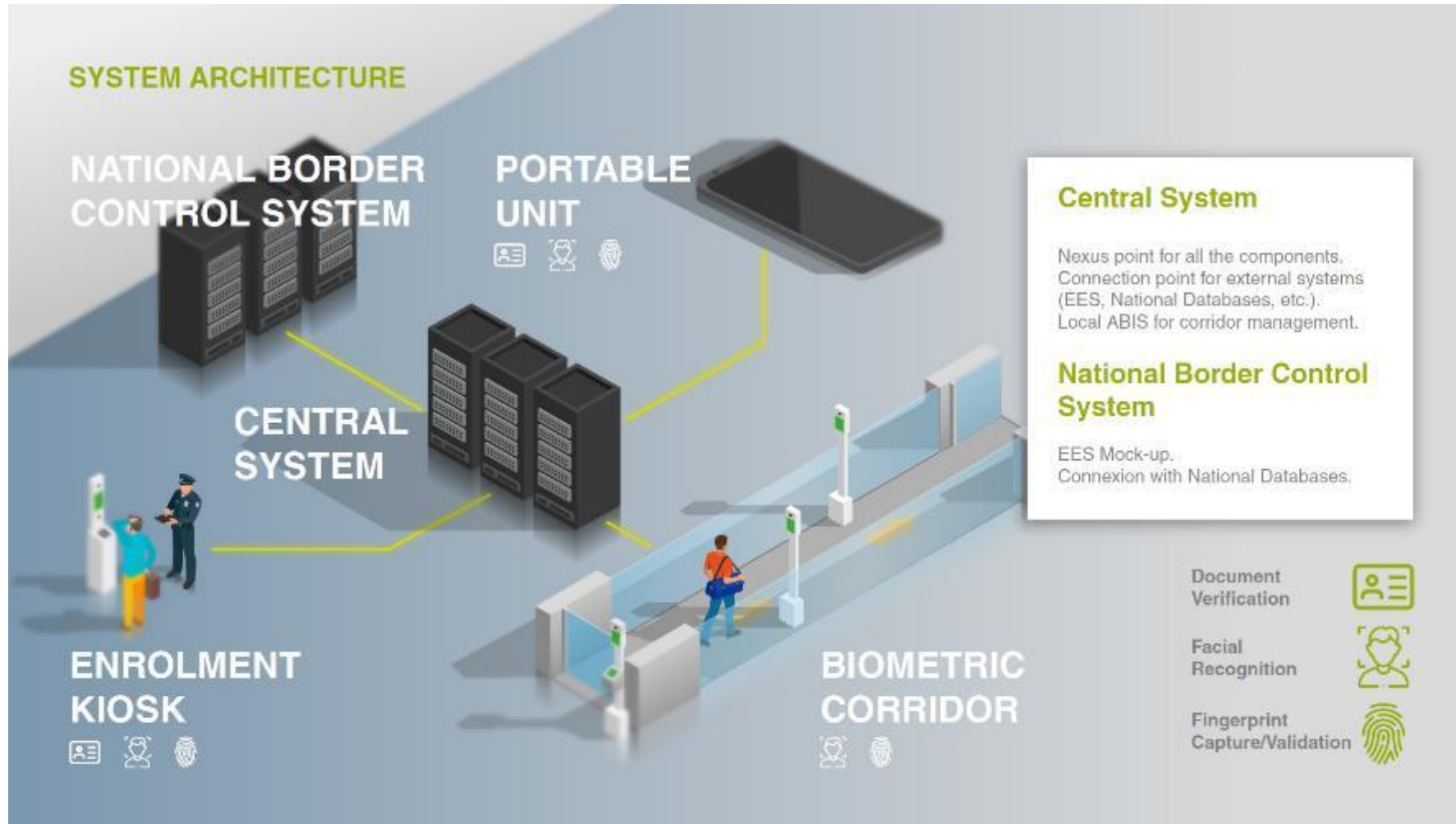
1

2

3



SYSTEM ARCHITECTURE



SYSTEM COMPONENTS

- 8 Enrolment kiosks
- 4 Biometric corridors
- 2 Kiosk supervisor tablets
- 2 Corridor supervisor tablets
- 2 Enrolment / Verification units
- 1 Central System
- 1 Mock-up EES (ICD 6.0 Compliant)

FRONTEX EES PILOT IMPLEMENTATION

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OR



ALL IN ONE:

Enrolment and
verification with tablet

STEP 1 Kiosk enrolment



STEP 2 Verification

+



Border crossing

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VIDEO

WORKFLOW NON-EXISTING TCN

- 1 Read the Passport
- 2 Verification of the document and chip and search in EES and National system
- 3 Capture facial image and check with chip



- 4 Capture fingerprints and check quality
- 5 Summary
- 6 Send the data to EES to create an entry



WORKFLOW EXISTING TCN

1 Read the Passport



2 Verification of the document and chip and search in EES and National system



3 Display Traveller File and Travel history



EES REGISTER TABLET SOLUTION

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Solution for:

- Enrolment or Identification
- Pedestrians or drivers directly on their car

Advantages:

- Speed up the process
- Reliable tool to the border control officers

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SOME STATISTICS

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Pilot Border crossing

4 months in production

More than 11.000
travellers



Process duration

Kiosk: Exit 38s – Entry 70s

Corridor: 6s

Tablet: 35s



Biometrics success rates

Facial image: 87%

Fingerprints: 85%



LESSONS LEARNT

Performance

Transactions are longer on entry than on exit



Flexibility

Adapt to different BPC scenarios (enrolment and identification)



Alignment with EES regulation

Pilot for self-service and automation of biometric identification for TCN travellers with integrating to the existing concepts for EU nationals.



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THANKS

