# Deliverable 11.3 Acceptance of the Dutch Account in Germany





## **Executive summary**

#### Objectives

1. The validators in the German vehicles must accept the unique identifier which is stored on the Dutch OV-chipkaart. This approach allows the current VDV travelers to use their existing VDV-card and the new (pilot) users to use the OV-chipkaart to pay for the trip and 'travel on account'.

#### Deviations from these objectives

1. This objective was met, in the sense that the validators in the German vehicles accept the unique identifier stored on the Dutch card. However, instead of the OV-chipcard, a separate smartcard was selected to store the GST to avoid interference with the OV-chipcard scheme.

#### Work done

- A recruitment plan for Dutch participants was created.
- An enrolment form for Dutch participants was created.
- The whitelisting process for Dutch cards was set up.
- SmartMX cards were configured to carry the GST token and distributed to the Dutch participants.
- Operational service processes (customer care) for Dutch participants were established.
- The invoicing process for Dutch particpants was set up.

#### Conclusions

• All operational processes and technical requirements were implemented successfully before the start of the German and Dutch pilot.

## Contribution to the main goal of the project / Link with other tasks or WPs

 Main contribution of this deliverable to the project is establishing the required hardware and processes to support the Dutch account and GST token in Germany.



## Acceptance of the Dutch account in Germany

In order to support the German pilot, several products and processes should be in place on the Dutch side:

#### Basically:

- We will need to recruit, enroll and select Dutch participants
- Participants should received the required accessories (Card, letter with account information)
- 3. Operational processes should be in place.

ID	Product	Status
11.3.1	Recruitment plan	
11.3.2	Enrolment form	
11.3.3	Whitelisting	
11.3.4	Communication messages	
11.3.5	Cards with GST token	
11.3.6	Operational service processes	
11.3.7	Operational inspection processes	
11.3.8	Operational Invoicing towards and Clearing of Dutch travellers in German busses	



## 11.3.1 Proposition

- The pilot on the Dutch side has been rebranded to 'Euregio Travellers'-pilot.
- All busses of Aseag (Aachen region, AVV) and bus lines 44 and 350 of Arriva will participate in the pilot to support as much cross border traffic as possible.
- Arriva and Aseag agreed on a similar proposition to the participants.
- Special (discount) tariffs will apply to the participants.
   During the first 2 weeks of the pilot the participants will travel for free.

## Tariff model during pilot

All involve based or dilines leur 3,60 EUR 2,80 2 weeks from start of the pilot based or dilines leur 3,60 EUR 2,80 1 trip (distance will not effect price)   1 trip (distance will not effect price)   1 trip (Eur 2,2%)   1 trip	Line	Normal ticket price	Pilot ticket price	Valid for	Discount
44 (distance will not child ticket (-22,2%) effect price)	involve	based or	EUR 0,00		the first 2 weeks of the
Arriva Km (-34%) 1 kin Pay se vou no (CiCo).		EUR 3,60	EUR 2,80	(distance will not	
380 based (distance will prices Similar to Age effect price) discount (-34%)	Arriva 350	Km based	(-34%)		
Aseag / EUR 7,50 EUR 5,00 1 day in Aachen Day ticket tariff, Similar region (not valid for cross border)  Day ticket (-34%) for cross border)	AVV	EUR 7,50	EUR 5,00	region (not valid	





## 11.3.1 Recruit and enrollment plan



Through Flyers and posters potential participants will be made aware of the 'Eurogio Travellers'-pilot and it's proposition



They will be lured towards the website of the PTO (www.arriva.nl/etc) where they will find addtional information



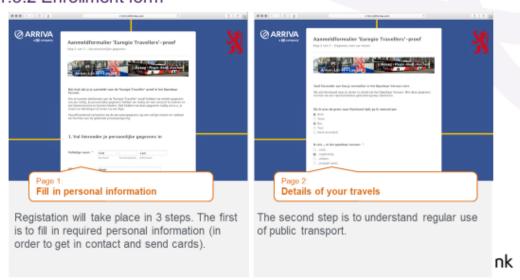
After clicking on the 'call to action'banner they will be redirected to the enrollement website



After enrollment the Arriva and Translink will make a selection of participants and whitelisting proces can start.

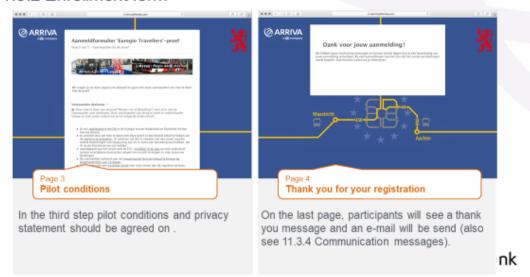
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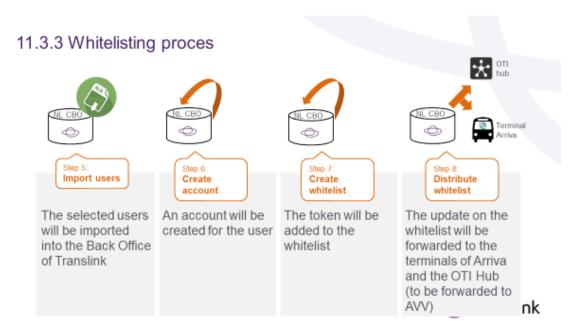
### 11.3.2 Enrollment form





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## 11.3.4 Communication messages

For interaction with participant, these communication messages are needed:

- You are registered
- You are selected to participate
- Here is the info you need to start travelling with your ETC
- We would like to know more about your experiences





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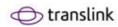
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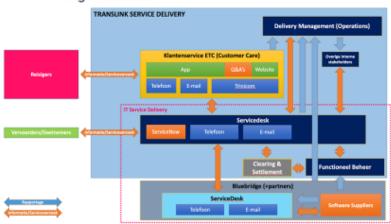
#### 11.3.5 Card with GST token

- Personalisation of test OV-chipcard has been executed and succesfully tested.
- Testcards have been supplied to suppliers and AVV for development and test.
- Card branded as 'Euregio Travellers Card' (ETC)
- Card design is aligned with the card used by AVV and finalised (see to the right)
- (Empty) Production Card batch of 150 cards is available
- Personalisation of these Production cards can start when required



## 11.3.6 Operational service processes

#### Service Design Translink



- Service Design has been set up and includes the service process for participants, but also in relation to public transport operators and AVV.
- We have tested and completed this design (no major issues came up).





## 11.3.6 Customer Care for the Dutch participants

• E-mail:

klantenservice@euregiotravellerscard.nl Phone: +31-45-56789234

Q&A's: on website Arriva

# During the pilot we will register and monitor the questions of our participants by category:

Category	Subcategory
General question about ETC	
	1.1 Which PTO
	1.2 Which line
	1.3 Pilat conditions
	1.4 Privacy
	1.5 Security
2. Question about enrollent	
Question about CKI/CKO	
Question about function of app	
5. Question about transactions	
6. Question about discounts	
7. ETC Lost (&stolen)	
8. Quitting the pilot	
9. Specific question of PTO (referred to)	
10. Data requested	



## 11.3.7 Operational Inspection processes



Inspection personnel of Arriva, working on line 44 and 350, will receive a briefing short before the pilot starts on the following:

- Inspection personnel will do a visual inspection on the ETC-card. Based on the personalised card and visual features (EU logo, Card ID's, etc), the inspector will accept the traveller as pilot participant and the card as a valid ticket.
- In case of doubt, the participant can show the travel data in the mobile travel app to the inspection personnel to verify a valid check-in.



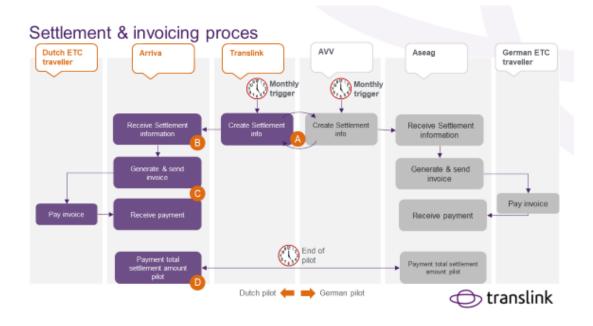


## 11.3.8 Operational Invoicing towards and Clearing of Dutch travellers in German busses



In three scenario's settlement and invoicing is done:

- In scenarios 1 and 2 the Dutch traveller is invoiced by retailer Arriva
- In scenario 3 the German traveller is indirectly invoiced by Arriva via AVV/ASEA > translink





## Create Settlement Info

- Translink settles the Dutch and German travels made on Dutch busses
- The settlement information containing German travels on Dutch busses is shared with AVV on a monthly basis
- Creating the settlement information is done by periodically manually triggering the create settlement information procedure/function
- The settlement information is stored in a CSV file and shared
- AVV settles the Dutch and German travels made on Dutch busses
- The settlement information containing Dutch travels on German busses is shared with Translink on a monthly basis
- The settlement information is stored in a CSV file and shared



Example Settlement CSV for Dutch bus travels



# Receive Settlement Info

- Translink Creates and sends settlement information to Arriva for invoicing purposes
- Arriva receives the settlement information, which consists of two files:
  - A CSV file with the invoice information based upon trips made by Dutch token travelers in both Dutch and German bus
  - A separate CSV file containing the detailed trip information for detailed invoice specification



Example Invoice CSV for Arriva





## Generate and payment invoice Dutch customer

- Based on the CSV files received from Translink, Arriva generates the invoices and sends the invoice to the Dutch customer by mail
- The customer is required to pay the invoice by means of bank transfer
- Arriva is responsible for the debtmanagement of the Dutch customer

## Payment total settlement amount Pilot

- By the end of the pilot Arriva pays ASEAG the total amount traveled by Dutch travelers on ASEAG busses and
- ASEAG pays the total amount traveled by German travelers on Arriva busses

translink 🗇

