UPPER

VAL_05: New Multimodal Digital Mobility Services (MDMS) with a focus on accessibility and inclusion

Activities towards demonstration *(How?)*

Completion of the preparation activities

Sub-measure 1: MaaS

Delivery Concept of Product (Design)

Digital tools for use on smart mobile phone devices and other digital devices that incorporate web pages that allow its users to decide which is the best option for a trip within the city of Valencia. Identify which means of transportation is optimal taking into account your preferences and user profile. The search engine and design of the application allows people with some type of physical disability to customize the route and mode of transportation that suits their needs. For example, it identifies which means of transportation are preferred in real-time or search environment for a specific date and time. Also, you can select your preferred modes for transportation in the user setup according to your personal profile.

Development of functionalities for people with disabilities: E2E routing

All types of users and also those with some type of disability will be able to identify which multimodal transportation methods fully adapt to their needs, both due to the characteristics of the vehicle and the accessibility of the stop. This option allows people to know how and when they can travel safely and autonomously.

Sub-measure 2: NaviLens Accessible QR

Design phase

NaviLens is a new system of smart digital markers that help make spaces more accessible. NaviLens markers help users obtain useful information (for example, which lines pass through a stop, next transit times, description of the stop, service incidents, etc...). During this stage, the NaviLens functionalities to be incorporated into the EMT App and the information to be provided to the end-user will be defined.

Development of defined functionalities

This step includes the development of the functionalities previously defined by the awarded company. The purpose of the defined functionalities is to help people with disabilities, by allowing them to easily identify the bus arriving time from a distant point from the bus shelter. They don't need to be close to the bus stop, just be in the surroundings (within a radio of 15 or 20 meters) the mobile device gets the info form the high tag. They only need to point the mobile device at the stop

It also simplifies access to the interpretation of information on their mobile device for people with physical or cognitive disabilities since it is capable of speaking the information on the screen without having to read it.

Preliminary works

Public tenders for the integration of NaviLens into the EMT App, including two elements:

- Obtaining the license to use NaviLens technology.
- Public tender for the integration through a sdk into the EMT app.

Deployment and integration

Sub-measure 1: MaaS

Identification of users to be involved in the demonstration:

Select a group of end users for testing purposes.

Sub-measure 2: NaviLens Accessible QR

Integration of NAVILENS into the EMT APP and internal validation

Currently, the Accessible QR service is available for the EMT at stops, but through an independent application, which makes it more complicated and less accessible to use. Once the functionalities are developed, this step will include embedding them within the EMT App. This will allow its use to be expanded massively, speed up access to information and eliminate the use of third-party applications.

This step will also include the crosscheck of the NaviLens functionalities inside the EMT app and outside (as independent app): provide the same information.

Select a sample of people / end users to validate the App:

Even as the EMT App containing the new functionalities will be available to the general public, EMT is looking to select a group of end users to specifically evaluate and test and provide feedback on these functionalities.

Demonstration activities

Demonstration of the MaaS functionalities

- Get a pre-production version: The application will be deployed in a beta version that allows download and use by end users.
- Test the functionalities: The group of end users selected previously will test the developed functionalities. The following aspects of the MaaS will be validated:

  Validation of the user registration.

  Validation of the customized travel preferences.

  Enable searching criteria.

  Enable travel output.
- Receive feedback about the usability, simplicity, ease of use and usefulness.

Demonstration of the EMT QR ACCESSIBLE, NaviLens

- The group of end users selected previously will test the developed functionalities.
- Receive feedback about the usability, simplicity, ease of use and usefulness.

Data collection

Evaluate the impact of the measure. How many users download the app, amount of users

Timeline for implementation and demonstration *(When?)*

UPPER	jul-24	ago-24	sep-24	oct-24	nov-24	dic-24	ene-25	feb-25	mar-25	abr-25	may-25	jun-25	jul-25	ago-25	sep-25	oct-25	nov-25	dic-25	ene-26	feb-26	mar-26	abr-26	may-26	jun-26	jul-26	ago-26	sep-26	oct-26	nov-26	dic-26
General planning for VAL_05																														
Completion of the preparation activities																														
Delivery Concept of Product (MaaS)																														
Development of defined functionalities for disabilities people (MaaS)																														
Design phase (NaviLens Accessible QR)																														
Development of defined functionalities within EMT app (NaviLens Accessible QR)																														
Preliminary works																														
Public tender for the integration of NaviLens into the EMT App																														
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Identification of users to be involved in the demonstration (MaaS & NaviLens Accessible QR)																														
Demonstration activities																														
Demonstration of the MaaS functionalities																														
Demonstration of the EMT APP new functionalities																														
Data collection: #users, #daily call into the Apps,																														
Results evaluation																											D6.3			