

## ROM\_05 “New LEV and ZEV bus fleet – network adaptation”

### Activities towards demonstration (How?)

#### Completion of the preparation activities

Buses: Atac carried out inspections at the production sites of the new buses for preliminary checks and testing

#### Preliminary works

Buses: following the delivery of the first 115 buses, Atac will implement a pre-commissioning period to monitor the operation of the new vehicles

Depots: Atac has implemented a public tender for the award of work, through a framework agreement which provides an application for each depot

#### Deployment and integration

Buses: design and adaptation of existing lines to the needs of the new buses (including LEV and ZEV) and local administrations

Depots: start the adaptation of the depots to host the new electric buses.

#### Demonstration activities

Next steps for implementation are:

- Gradual introduction of the new buses.

It is planned to introduce 115 new vehicles by 31 December 2024 and 296 by 30 June 2026.

Preparation of the “depots plan” for the optimal distribution and allocation of the electric buses, according to the battery’s autonomy

It is planned to allocate 80 vehicles (by 31st December 2024) at Portonaccio depot, 90 vehicles at Tor Sapienza depot; 129 vehicles (by 30th June 2026) at Grottarossa, 32 at Trastevere depots and 84 vehicles at the Tuscolana (p.zza Ragusa) depot.

Implementation of the recharging infrastructures.

PT service planning and adaptation

U-Tools to be used: U-SUMP - U-SIM-plan - U-GOV

With the introduction of sustainable buses, constant monitoring of targets, optimal planning of public transport and the development of effective strategies and solutions will be essential to ensure that the system operates efficiently. For this purpose, the U-SUMP tool will be used to support sustainable urban planning and U-SIM tool will be used for advanced network planning simulations. U-GOV might be used to collect the feedback from the bus transport users.

