

Forms VV-A to VV-F: Preliminary Version of Applied Research Project

Public Transport Development Team

November 9, 2025

Form VV-A: Request for Applied Research

Project Title: Open-Source, Privacy-First Transit Route Planner with Offline Support

Applicant: *Public Transport Development Team*

Project Type: Applied Research

Keywords: Open-source, Public Transit, Offline Routing, Privacy, Mobile Platforms

Summary: This project proposes the creation of an open-source public transit application capable of detailed route pre-planning with offline functionality, ensuring data privacy and transparency.

Form VV-B: Project Objectives and Outputs

General Objective: Develop a cross-platform, open-source transit route planner emphasizing privacy and offline functionality.

Specific Objectives:

- Implement detailed route customization (transfers, timing, distance, preferences).
- Ensure offline operation with preloaded data.
- Provide transparent, non-commercial data handling.
- Support extended platforms (Android, iOS, postmarketOS, KaiOS).

Measurable Indicators:

- Functional prototype for at least 3 platforms.
- Achieve 95% routing accuracy vs. online reference.
- 0 collection of personal user data (verified through audit).
- Publication of code under open license with community contributions.

Form VV-C: Project Budget (Summary)

Category	Year 1 (EUR)	Year 2 (EUR)
Personnel Costs	-	-
Software/Hardware	-	-
Travel	-	-
Other Expenses	-	-
Total	-	

Form VV-D: Project Schedule and Milestones

Duration: 24 months

Milestones:

- M1 – Prototype routing engine and offline functionality.
- M2 – Cross-platform client implementation.
- M3 – Privacy and security audit.
- M4 – Public release and documentation.

Risks:

- Limited team experience in large-scale app deployment.
- Delays due to open data inconsistency.
- Potential interoperability issues across platforms.

Form VV-E: Declarations

Applicant Declaration:

I declare that the submitted project proposal is original and that the team possesses the competence to carry out the planned research. All data provided are true and complete.

Signature:



Date:

09/11/2025