

# 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	-	-
<b>Total</b>	-	-

## 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