

Document Control Sheet

1. ISBN or ISSN Not intended	2. type of document (e.g. report, publication) Final report
3. title Collaborative project: AutomatedTrain - Development and testing of intelligent technologies for fully automated train travel; Subproject: Implementation of localization functions	
4. author(s) (family name, first name(s)) Trommsdorff, Ferdinand	5. end of project 31.12.2024
	6. publication date Not intended
	7. form of publication Not intended
8. performing organization(s) (name, address) ITK Engineering GmbH Im Speyerer Tal 6 76761 Rülzheim	9. originator's report no. N. N.
	10. reference no. 19A23001G
	11. no. of pages N. N.
12. sponsoring agency (name, address) Bundesministerium für Wirtschaft und Klimaschutz (BMWK) 53107 Bonn	13. no. of references N. N.
	14. no. of tables N. N.
	15. no. of figures N. N.
16. supplementary notes N. N.	
17. presented at (title, place, date) N. N.	
18. abstract Automated rail traffic requires continuous, safe train localization. ITK has developed a novel solution based on the magnetic inhomogeneities of the rail path. In order to verify the applicability of the solution in operation, the prototype should be integrated into a production vehicle in regular operation as part of the joint project. Decisive criteria for the evaluation are accuracy, availability and robustness of the method. Since ITK considers the economic usability to be too low, the early exit from the current project was requested. The originally planned project goals could not be achieved.	
19. keywords N. N.	
20. publisher N. N.	21. price N. N.