

EGNSS Transport Applications

H2020-GALILEO-GSA-2017-1



Project Number

776355



Deliverable D1.10

Data Management Plan

Work package: WP1 – Project Management

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Authorised date: 31/07/2019

TransSec Project Profile

Grant Agreement number: 776355

Acronym:	TransSec.
Title:	Autonomous emergency manoeuvring and movement monitoring for road transport security
URL:	www.transsec.eu
Start Date:	01/02/2018
Duration:	36 months

Partners

Partner	Country
Daimler AG	GERMANY
TeleConsult Austria GmbH	AUSTRIA
FUNDACION CENTRO DE TECNOLOGIAS DE INTERACCION VISUAL Y COMUNICACIONES VICOMTECH	SPAIN
WATERFORD INSTITUTE OF TECHNOLOGY	IRELAND
UNIVERSITAET STUTTGART	GERMANY

Document Control

This deliverable is the responsibility of the Work Package Leader. It is subject to internal review and formal authorisation procedures in line with ISO 9001 international quality standard procedures.

Version	Date	Author(s)	Change Details
0.1	03/07/2019	Roland Trauter	Report Setup
0.2	22/07/2019	Volker Schwieger	Open access research data
0.9	31/07/2019	Martin Wachsmuth	Review
1.0	31/07/2019	Roland Trauter	Approved version release.

D1.10	Data Management Plan	1 - DAIMLER AG	ORDP: Open Research Data Pilot	Public	18
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Open Research Data Management Plan (DMP) describes the data management life cycle for the data to be collected, processed and/or generated by a Horizon 2020 project.

Topic:

Reference trajectories for digital road map evaluation

Related Publication:

Zhang, L.; Wang, J.; Wachsmuth, M; Gasparac, M.; Trauter, R.; Schwieger, V.: Role of Digital Maps in Road Transport Security. FIG Working Week 2019, Hanoi, Vietnam.

Description of open access research data:

147 km of precise GNSS trajectories are available. They have a sampling rate of 1 Hz and were generated with a Leica Viva GS15 receiver (processing of phase data; accuracy better than 10 cm). The positions and their standard deviations are provided in an ASCII Format. The trajectories are organized as follows: 17.3 km German Motorway, 50.2 km motorway entrance and exit ramps, 79.5 km urban areas. The data include a time stamp in GPS-time, the 2-dimensional positions in North, East (UTM) and additionally the ellipsoidal height as well as the respective standard deviations. Additionally the information on which lane the reference was generated is given. Position information where the lane assignment is not clear (e.g. lane changing) or where GPS outliers occurred are marked too.

The amount of data is around 2.7 MB.

Planned Date of publication:

30th June, 2020

Access Provider:

Downloadable from the Webpage of Institute of Engineering Geodesy, University of Stuttgart (<https://www.iigs.uni-stuttgart.de/>) , via Web-Interface on request (due to confidentiality).

Email: sekretariat@iigs.uni-stuttgart.de

1 REFERENCES

Grant Agreement number: 776355 — TransSec — H2020-GALILEO-GSA-2017/H2020-GALILEO-GSA-2017-1

Consortium Agreement TransSec - CA final version (V4) dated 20.11.2017

European Commission Directorate-General for Research & Innovation, H2020 Programme Guidelines on FAIR Data Management in Horizon 2020, Version 3.0, 26th July 2016