InterCor GLOSA Pre-TESTFEST

Instructions and Practical information

Helmond June 13 and 14, 2018

Provincie Noord-Brabant

Date	June 8, 2018
Status	Final

Colophon

Legal Disclaimer

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1. Introduction

PRE-TESTFEST in short

On 13 and 14th of June (2018) the province of Noord-Brabant (NL) together with its InterCor partners in the UK will organize the GLOSA PRE-TESTFEST to validate the interoperability of ITS Hybrid GLOSA services based on the common set of specifications developed in the InterCor project.

This PRE-TESTFEST takes place in anticipation of the Hybrid TESTFEST in the UK in October 2018. It will verify the InterCor standards for:
- (in-car) GLOSA services over cellular and ITS-G5 communication networks
- GLOSA hybrid data provisioning over InterCor Hybrid Data interface IF2

1.1.   Technical specifications

Technical specifications of GLOSA Pre-TESTFEST can be found on the InterCor Pre-TESTFEST website: http://InterCor-project.eu/glosa-Pre-TESTFEST/

The following documents have been published:
- InterCor GLOSA TESTFEST specifications V0.20, main author Bart Netten – 11/04/2018
- Specifications on SPAT and MAP profiles, use-case table and specifications on hybrid and ITS G5
- TLEX InterCor Interface 2 deployment V1.2.0, main author Swarco/Monotch – 03-05-2018
- RSU example messages, Dynniq and Swarco
- Logging information, common log formats and description

For information about these document, test planning, process and results of SAT I&II, delivered towards Pre-TESTFEST, please contact our test coordinator Bart Netten (bart.netten@tno.nl).
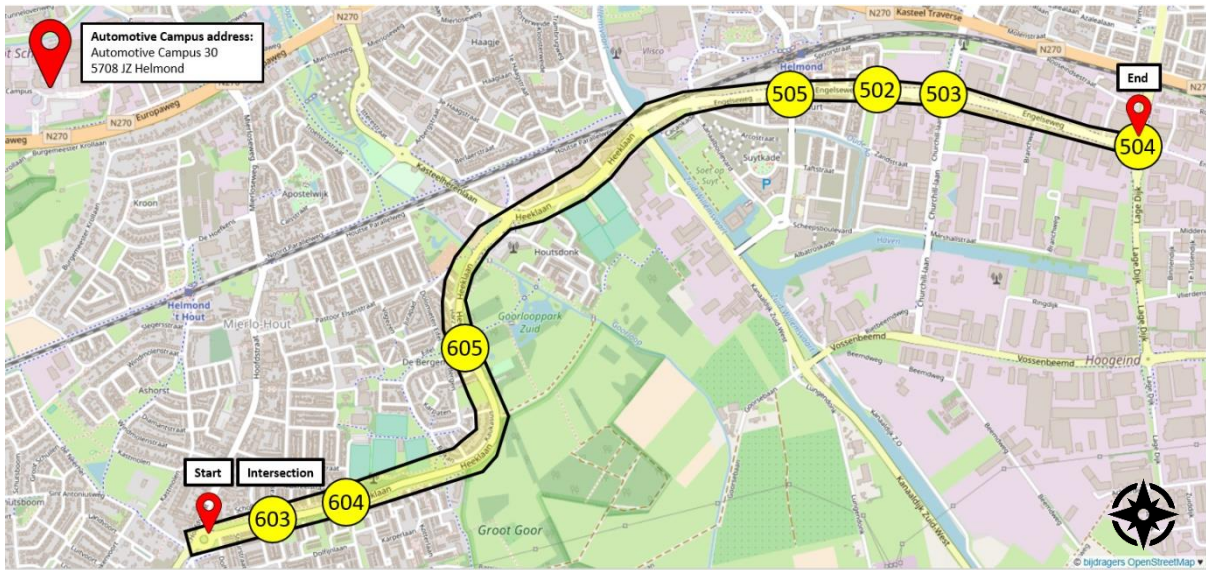
2. Location

GLOSA Pre-TESTFEST takes place in Helmond, The Netherlands. Central location, is the Automotive Campus, where each day and each test session starts and ends and where debriefings take place

Automotive Campus address:
Automotive Campus 30
5708 JZ Helmond

Figure 1. Location and test site

(In-car) GLOSA services, via ITS-G5 and cellular communication networks, will be tested in the city of Helmond, nearby the Automotive Campus on the trajectory between Heeklaan and Engelseweg. Evaluation and plenary sessions take place on both days at the Automotive Campus (see programme).

2.1.   Address and parking

Address: Automotive Campus 30, 5708 JZ, Helmond.

The parking place in front of the Automotive Campus is reachable without passing barriers from the East access via the 'de Hortesdijk'.

If you are planning to come by public transport, bus 150 will bring you within 8 minutes to the Automotive Campus. Please take bus 150 (direction 'Station 't Hout') from train station Helmond. Our take a 10 minute walk from Station Helmond 't Hout.

A taxi service from station Helmond is also possible. Van Helvort Taxi: +31(0) 4923611. Van der Zanden b.v. +31 (0) 492511517.

3. Programme and time schedule

Overall programme and time schedule are as displayed below. Be aware that the programme and time frames are approximate and subject to test circumstances and will be decided and communicated during the briefing sessions.

All participants' systems are expected to be ready for testing before the first briefing on 13 June 10:00 CET. The time before this first briefing is free to participants to prepare the systems on the test site and Automotive Campus.

Schedule 1: overall programme

Time	Wednesday 13 June	Thursday 14 June
7.00		Test session 4
7.30		
8.00		
8.30		
9.00	Arrival participants, Prepare and test individually	Debriefing Sessions 2 and 3
9.30		
10.00	First briefing	Test session 5
10.30		
11.00	Test session 1	
11.30		
12.00	Lunch	Lunch
12.30		
13.00	Test session 2	Plenary session
13.30		Introduction, Technical results and first conclusions
14.00		Presentations and panel discussions
14.30		
15.00	Debriefing session 1	
15.30		Event closing and network drinks
16.00	Test session 3	
16.30		
17.00		
17.30		
18.00	Dinner	
18.30		
19.00		

Dinner location is Proeverij de Bank in Helmond. Tables are booked at 19o'clock. The restaurant is centrally located, nearby hotel Golden Tulip West Ende. Transport to the restaurant can be arranged individually or if needed, centrally by the organization.

3.1.   Test sessions

Five test sessions are planned. In test session 1, vehicles drive up and down the corridor, crossing every intersection in "straight" direction. In test session 2, vehicles circle around the corridor taking left and right turns at the test intersections. Test sessions 1 and 2 will be during low volume traffic in the middle of the day, while sessions 3 and 4 are intended to test in rush hour traffic conditions. Detailed instructions and objectives for each session will be provided in the briefings.

The participant can drive the test sessions with their own vehicle and in-vehicle systems. WA test session will start with all vehicles in a platoon driving the same initial route, and we will try to maintain this platoon as long as possible. The objective of this setup is to create similar and comparable traffic situations.

Alternatively, the in-vehicle devices can also be installed in a single vehicle from
the organization, together with systems from other participants. The HMI and outside traffic situation
will be recorded with a dashcam. This alternative is encouraged for two reasons:
- Objective comparison and validation of the systems in exactly the same situations.
- Participants' systems can be installed side-by-side for easy qualitative validation. This is
especially useful when a participant cannot provide logging of the full set of
InterCor_CommonLogFormat.

Possibilities and preferences will be decided per test session in the briefings.

At the end of each session, participant is expected to provide log data for the specific session. A USB-stick will be provided to hand in the log data. Alternatively the participant can upload log data on
https://ada1.tno.nl/pretestfest/ . Access codes will be provided to each participant in the first
briefing.

Results from analyses of the logging and participant's observations will be discussed in the debriefings.
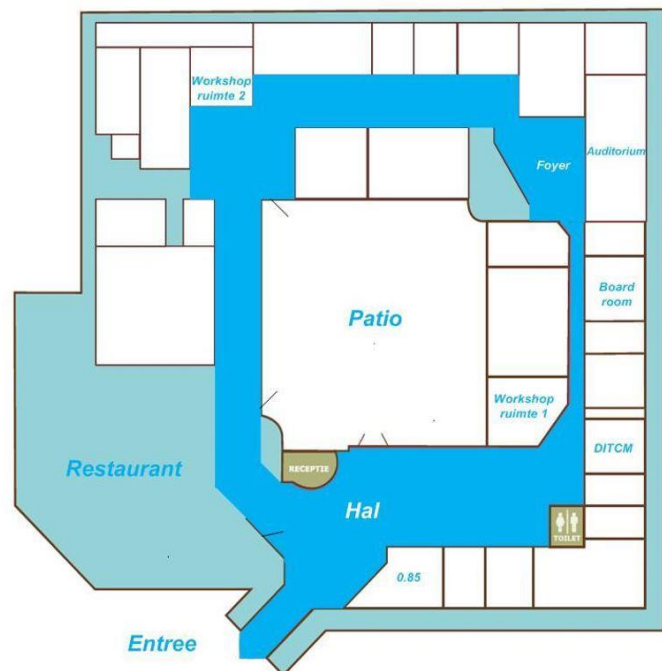
3.2. Briefing and debriefing sessions

(de)Briefing sessions are held in the Workshop room, in the Automotive Hall. Also the plenary session
is organized here.

A presentation screen, wifi-internet and
(fresh) drinks are provided here. During
lunch time catering will be servednear the
Workshop room.

3.3. Plenary session

On Thursday June 14 after testing and
debriefing is finished a plenary session
starts after lunch time. Location:
Auditorium. Not only will results and first
conclusions be Presented, also a panel
discussion alternated with Presentations is
part of this session. Our moderator is
Peter Schmitting (Ertico).

Main topics
Deployment aspects of C-ITS services,
such as GLOSA
Presentations by Gary Crockford (DfT) and Herman van der Vliet (Dynniq).

Future developments
Presentations by Serge van Dam (RWS) and Steven Logghe (Be-Mobile).

Service interoperability and potential for upscaling and continuity of services.
Presentations by Cliff Lunnon (Highways England) and Menno Malta (Monotch)

Panel members
1.   SWARCO, Jaap Zee)
2.   DYNNIQ, Herman van der Vliet
3.   UK Highways of England, Cliff Lunnon
4.   BE-MOBILE, Steven Logghe
5.   MONOTCH, Menno Malta
6.   RWS, Serge van Dam
7.   Department for Transport, Gary Crockford

Schedule 2: plenary session

12.00-13:00h	**Welcome and lunch**	Hal Automotive House
13.00-14.00h		Auditorium
13.00-13.15h	**Introduction** *ERTICO in cooperation with provincie Noord-Brabant and UK*	
13.15-13.45h	**Technical results GLOSA Pre-TESTFEST** *by Bart Netten (TNO)*	
13.45-14.00h	**Time for questions**	
14.00-14.10h	**Small break**	
14.10-15.15h	**Presentations alternated with panel discussion** Moderated by Peter Schmitting (Ertico)	Auditorium
14.10-14.15h	<u>Deployment aspects of C-ITS services, such as GLOSA</u>	
14.15-14.20h	Presentation UK	
oxygen 5 min	Panel discussion and questions	
14.25-14.30h		
14.30-14.35	Presentation DYNNIQ	
	Panel discussion and questions	
oxygen 5 min		
14.40-14.45h	<u>What future developments do we see?</u>	
14.45-14.50h	Presentation RWS	
	Panel discussion and questions	
oxygen 5 min		
14.55-15.00h		
15.00-15.05h	Presentation Be-Mobile	
	Panel discussion and questions	
oxygen 5 min		
15.10-15.15h	<u>Service interoperability and potential for upscaling and continuity of services.</u>	
15.15-15.20h	Presentation by UK	
	Panel discussion and questions	
oxygen 5 min		

15.25-15.30 15.30-15.35 15.45h	Presentation by MONOTCH Panel discussion and questions Conclusions and wrap-up by moderator	
15.45-16.30h	**Event closing and network drinks**	Hal Automotive House, nearby Workshop room

4. Safety Instructions

For PRE-TESTFEST, participants explicitly agree to the following rules and instructions:
1. Taking note of the safety instructions is mandatory for all test-driving participants. You will be denied access to the PRE-TESTFEST test sessions in case you have not taken account and checked of the safety measures list.
2. Dutch law and Dutch traffic signs and regulations in the Netherlands are applicable.
3. Participants are to follow up instructions from B. D. (Bart) Netten and duty officers at all times.
4. Provincie Noord-Brabant and Helmond are not responsible for any (physical) damage, breakdowns, collision in/between vehicles before, during or after the test sessions.
5. Participants can bring their own test vehicle and peripherals (i.e. antenna, cables, adaptors, power supply etc.) to the PRE-TESTFEST.
6. Please note that videos and/or pictures can be shot during the TESTFEST for InterCor and Rijkswaterstaat P.R. purposes.

The Pre-TESTFEST will retain the following safety instructions. Procedure is to check this list by each driver and passenger(s) beforehand of the test session. Once checked, the list is valid for all test sessions.

	Safety measures	**Check box**
1	Driver is in possession of a valid driver's license. *(The driver's license will be checked by the Pre-TESTFEST organization before the test drive).*	
2	The Testcar is driven by two persons. One driver, and one co-driver.	
3	The Pre-TESTFEST assumes all drivers have taken account of https://www.rijkswaterstaat.nl/wegen/ongeval-en-pech/index.aspx before starting the test session(s).	
4	In case of any emergency or difficulties during the testdrive please make sure to call authorities or the organization of PRE-TESTFEST, depending on the type of emergency of difficulty.	