



World Class Standards

6TISCH/6LO PLUGTESTS REPORT

15–17 July 2015

Berlin, Germany

- Overview of the event
- Participating Companies / Observers
- Plugtests agenda
- Summary of Event Planning
- Results reporting : ETSI Test Session Report tool
- Test descriptions
- Conclusions
- Social Event

- Event organized by:
 - ETSI (European Telecommunications Standards Institute)
- Supporting Companies:
 - OpenMote
- 15 Participating Companies (14 participants)
 - 8 different implementations
- 3 Observer company (3 people)

Participating Companies



	Vendors
1	Inria
2	Cisco
3	Linear Dust
4	Endress+Hauser GmbH
5	OpenMote
6	ETRI
7	ivESK at Offenburg University
8	NEO REFLECTION
9	SANDELMAN SOFTWARE WORKS
10	TZI Uni Bremen
11	Universitat Oberta de Catalunya
12	University Diego Portales
	Observers
1	Gridbee Communications
2	Robert Bosch GmbH
3	University of Luxembourg

Plugtests Agenda



Joint 6TiSCH/6lo Agenda (JULY 2016)			
Time	Friday 15	Saturday 16	Sunday 17
08:30		Room Opening	Room Opening
09:00 11:00		TEST SESSION #3	TEST SESSION #7
11:00 13:00	SET-UP	TEST SESSION #4	TEST SESSION #8
13:00 14:00	LUNCH 12:30 to 13:30 WELCOME 13:30 to 14:00	LUNCH	LUNCH
14:00 16:00	TEST SESSION #1	TEST SESSION #5	TEAR-DOWN 14:00 to 15:00
16:00 18:00	TEST SESSION #2	TEST SESSION #6	
18:00 19:00	WRAP UP	WRAP UP	

Summary of Event Planning



● 1 preparation call

- ETSI/Experts group led and organized
- Collaborating Web conf (GotoMeeting)
- Included Vendor Participants

● Test Plan Development

- 6TiSCH -> Led by Thomas Watteyne, Xavier Vilajosana, Maria Rita Palattella and Tengfei Chang
- 6lo -> Led by Carsten Bornman and Kerry Lynn

Test Event in Interop room 1/3



Test Event in Interop room 2/3



Test Event in Interop room 3/3



- The results of each interoperability test session have been recorded in a dedicated web application software: the ETSI Test Report Tool (TRT)
 - After each test execution the interoperability result is agreed among all participants and then recorded
 - After each test session the report is submitted to ETSI

🌐 6TiSCH Test descriptions (will be publicly available)

🌐 6lo Test Descriptions

🌐 6P:

🌐 Recommendations for future:

- 6lo NFC: More than 80% of interoperability
- 6lo 802.15.4:
- Recommendations for future
 - It may be better to have a 6lo gateway
 - It requires a packet sniffing mechanism to check detail field values

Social Event – Dinner at the Bavarian restaurant



6TiSCH/6lo Plugtests participants





THANK YOU!

Miguel Angel Reina Ortega
Centre for Testing and Interoperability (CTI)
MiguelAngel.ReinaOrtega@etsi.org