

1st 6lo Plugtests
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6Lo = many radios

- ... and wires.
- Interoperability test **within** each technology.
- Need to attract critical mass (≥ 2) for each such technology (or variant, e.g., frequency band).

Yokohama

Table 1: List of participating companies

#	Company Name	Country
1	ETRI	KR
2	Kerry E Lynn (Contiki)	US
3	NEC Corporation	JP
4	NEO Reflection	KR
6	Orange Labs	FR
7	RIOT	DE
8	<u>Sandelman Software Works</u>	CA
9	University of Bremen TZI	DE

Focus:

- 6LoBAC
- NFC
- 6LoWPAN

Results

- Clearly, the implementations being tested were work-in-progress.
- Fortunately, there was time available for fixing bugs and filling in blanks.

Interoperability			Not Executed		Totals	
OK	NO		NA/OT ^{*)}		Run	Results
18 (90.0%)	2 (10.0%)		18 (47.4%)		20 (52.6%)	38

^{*)} Many of these were TCP tests, which were optional (and somewhat out-of-character for IoT).

Lessons learned

- Need interoperability test cases for non-trivial software MAC layers (here: 6LoBAC join/leave with different MAC address constellations)
- Need physical support (mounting hardware, isolation materials) for arrangement of NFC modules for testing

Next?

- Do this in a regular period (e.g., each even IETF).
 - Colocate with IETF? (Which IETF?) Separate?
- Which technologies to focus on?
- Synergy with/Interference from other plugtests?
 - 6TiSCH?