



24 June 2016 Webex

IPv6 over the TISCH
mode of IEEE 802.15.4e

Chairs:

Pascal Thubert

Thomas Watteyne

Etherpad for minutes:

<http://etherpad.tools.ietf.org:9000/p/6tisch?useMonospaceFont=true>

Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR Policy is set forth in BCP 79; please read it carefully.

The brief summary:

- By participating with the IETF, you agree to follow IETF processes.
- If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.
- You understand that meetings might be recorded, broadcast, and publicly archived.

For further information, talk to a chair, ask an Area Director, or review the following:

- BCP 9 (on the Internet Standards Process)
- BCP 25 (on the Working Group processes)
- BCP 78 (on the IETF Trust)
- BCP 79 (on Intellectual Property Rights in the IETF)

Reminder:

Minutes are taken *

This meeting is recorded **

Presence is logged ***

* Scribe; please contribute online to the minutes at
<http://etherpad.tools.ietf.org:9000/p/6tisch?useMonospaceFont=true>

** Recordings and Minutes are public and may be subject to discovery in the event of litigation.

*** From the Webex login

Agenda

- Administrivia [3min]
 - Agenda bashing
 - Approval minutes from last meeting
- IETF Update (chairs) [5min]
 - Meeting time, template, agenda
- Update on Security (Michael) [15min]
- ETSI plugtest: draft test description (Maria-Rita) [15min]
- Update on 6top (Xavi) [15min]
- AOB [2min]

Administrivia

Admin is trivia

- Approval Agenda
- Approval minutes

IETF96 Berlin update

<https://bitbucket.org/6tisch/meetings/src/6a1e8be0fb2d18ce2268820d67408>

6TiSCH related Activities

- PlugTest July 15-16
- Hackathon July 16
- 6lo Meeting Mon July 18 – 10:00
- 6TiSCH Mon July 18 – 14:00
- LPWAN BoF Friday???
- DetNet Mon July 18 – 18:00

Berlin Agenda bashing

- Administrivia [3min]
 - Agenda bashing
 - Approval minutes from last meeting
- WG docs status and new Charter <the chairs> [10min]
 - Minimal, Archie, Terminology
 - 6top?
- 6TiSCH SF0 [20min]
- 6P [20min]
- Security DT [10min]
- PlugTest news [10min]
- 6LPWA news [15min]
- New drafts [QS]
 - SF1
- AOB [2min]

Berlin template

- Administrivia [3min]
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Berlin Slide Template

https://bitbucket.org/6tisch/meetings/src/master/160718_ietf96_berlin/ietf96_zz_template.ppt

Security update

ETSI 6TISCH #3

Plugtests



Administrivia

Organizer:

- ETSI, Miguel Angel reina Ortega

Supporter:

- OpenWSN (golden device software)
- OpenMote (golden device hardware)

Team of Expert:

- Maria Rita Palattella (lead: Test Description)
- Xavier Vilajosana (lead: Hardware)
- Tengfei Chang (lead: Tools)
- Thomas Watteyne (lead: coordination)

Logistics

- 15-17 July 2016
- **Co-located with IETF96 Berlin**
- Intercontinental Hotel Berlin
- **Registration close on 30th June!**
- NDA to be signed

Scope Past Plugtests

ETSI 6TiSCH #1 Plugtests

17-19 July 2015, Prague, CZ

ETSI 6TiSCH #2 Plugtests

2-4 Feb 2016, Paris, France

Minimal 6TiSCH configuration

draft-ietf-6tisch-minimal

- simpleTSCH schedule
- link-layer security
- RPL

6top Protocol (6P)

draft-wang-6tisch-6top-sublayer

6LoRH

draft-ietf-6lo-paging-dispatch
draft-ietf-6lo-routing-dispatch

Scope 6TiSCH #3 Plugtests

Minimal 6TiSCH configuration

draft-ietf-6tisch-minimal

- synchronization
- link-layer security

Scheduling Function zero (SF0)

draft-ietf-6tisch-6top-sf0

- Overprovision at bootstrap
- Cell Allocation w/ increased traffic demand
- Cell De-Allocation w/ decreased traffic demand

6top Protocol (6P)

draft-ietf-6tisch-6top-protocol

- COUNT, LIST, CLEAR cells, timeout

6LoRH

draft-ietf-6lo-paging-dispatch

draft-ietf-6lo-routing-dispatch

- source routing header correctly encoded as a 6LoRH

Critical RH3

- RPL Information Option correctly encoded as a 6LoRH RPI
- IP in IP 6LoRH when packet travel inside RPL domain
- IP in IP 6LoRH when packet travel outside RPL domain

Backbone Router

draft-ietf-6lo-

backbone-router

- Registration
- De registration
- Movement
- Collision

Work Plan

- **24th June:** final list of tests
- **30th June:** complete draft of TestSpec
- **4th July:** Final TestSpec and golden device to be shared with participants

draft-ietf-6tisch-6top-protocol

Qin Wang (Ed.)

Xavier Vilajosana

Status

- Status:
 - Adopted at IETF95
 - Very stable draft.
 - Addressed comments about concurrent transactions
 - Addressed comments about return codes
 - Latest version 01 to be published immediately

4.3.3. Concurrent 6P Transactions (OLD)

...

A node MAY support concurrent 6P Transactions from different neighbors. In this case, in Figure 1, node C can have a different ongoing 6P Transaction with nodes B and E. In case a node does not have enough resources to handle concurrent 6P Transactions from different neighbors, when it receives a 6P Request from a neighbor while already handling a different request from a different neighbor, it MUST reply to that second request with a 6P Response with return code IANA_6TOP_RC_BUSY.

4.3.3. Concurrent 6P Transactions (NEW)

...

A node MAY support concurrent 6P Transactions from different neighbors. In this case the cells involved in the ongoing 6P transaction MUST be locked until the transaction finishes. For example, in Figure 1, node C can have a different ongoing 6P Transaction with nodes B and E. In case a node does not have enough resources to handle concurrent 6P Transactions from different neighbors or if the cells requested are locked, it MUST reply to that second request with a 6P Response with return code IANA_6TOP_RC_BUSY. The node receiving IANA_6TOP_RC_BUSY may implement a retry mechanism, as decided by the Scheduling Function.

AOB ?

Thank you!