



# 6TiSCH



## 02 March 2018 Webex

Chairs:

**Pascal Thubert**

**Thomas Watteyne**

Etherpad for Minutes: <https://etherpad.tools.ietf.org/p/6tisch>

IPv6 over the TSCH  
mode of IEEE 802.15.4

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# Reminder:

Minutes are taken \*

This meeting is recorded \*\*

Presence is logged \*\*\*

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\*\*\* From the Webex login

# Agenda



- admin [ 5min]
- IETF 101 prep [50min]
- Any Other Business [ 5min]

# IETF101 - London

- Admin
  - <https://www.ietf.org/how/meetings/101/>, 17-23 March 2018
  - We asked for a 90min slot for 6TiSCH
- Important dates
  - 2018-02-16 (Friday): Preliminary Agenda published for comment.
  - 2018-02-23 (Friday): Final agenda to be published.
  - 2018-03-05 (Monday): Internet Draft submission cut-off
  - 2018-03-07 (Wednesday): Draft Working Group agendas
  - 2018-03-12 (Monday): Revised Working Group agendas
- 6TiSCH during Wednesday Afternoon session I, 13:30-15:00
- For remote presentation, cutoff March 16

# draft-ietf-6tisch-6top-protocol

- Input
  - Review from Alex Pelov (IoTdir) <https://www.ietf.org/mail-archive/web/6tisch/current/msg05734.html>
  - Review from Brian Carpenter (Genart) <https://www.ietf.org/mail-archive/web/6tisch/current/msg05730.html>
  - Review from Lotte Steenbrink (implementer) <https://www.ietf.org/mail-archive/web/6tisch/current/msg05750.html>
  - *(comments today from Nicola Accettura <https://www.ietf.org/mail-archive/web/6tisch/current/msg05757.html>)*
- Action
  - Publication of -10 on **when?**
  - addresses all issues raised, need to look at Nicola's comments
- Next steps
  - Today's state: In Last Call (ends 2018-03-26)
  - During IETF101: *no change*

# draft-ietf-6tisch-minimal-security

- Input
  - Feedback by implementers
  - Further work by authors
- Action
  - -05 published on **when?**
  - many little changes
- Next steps
  - Today's state: "WG Document"
  - During IETF 101 WG meeting:
    - Switch to "In WG Last Call", for 3 weeks
    - ask for at least 2 reviewers during WGLC, including one from CORE
  - Liaise with CORE about Section 5.1 "Stateless-Proxy CoAP Option"

# draft-ietf-6tisch-6top-sfx

- Today's state: "WG Document"
- Authors asked for WGLC, as experimental
- Chairs reviewed, identified editorial issues which prevent us from considering moving to WGLC
- Suggested action:
  - Take recommendations into account, and publish -01 by cut-off date
  - In London, present draft and ask for WGLC

# draft-chang-6tisch-msf

- Input
  - Review from Yasuyuki Tanaka <https://www.ietf.org/mail-archive/web/6tisch/current/msg05723.html>
- Action
  - -01 published on 2 March 2018
  - Addresses all issue, full read-through
- Next steps
  - Today's state: *none*
  - After interim: move to "Candidate for WG Adoption"
  - During IETF 101 WG meeting:
    - Move to "Call For Adoption By WG Issued", 2 weeks

# draft-duquenooy-6tisch-asf

- Input
  - Feedback by implementers
  - Further work by authors
- Action
  - -01 published on 2 March 2018
  - Main changes:
    - Defines ASF configuration parameters and procedure
    - Defines packet format to disseminate configurations (6P signal)
    - Defines burst mode (conditional cells based on 'frame pending' bit)
    - Makes Hash function configurable (SAX remains default)
- Next steps
  - Cutting multiple ideas into smaller docs?
  - Integration with MSF
  - recommendation: discuss in London

# draft-ietf-6tisch-terminology

- Input
  - Input from Malisa Vucinic after rev'ing minimal-security
  - Editorial work
- Action
  - -10 published on 2 March 2018
  - Tiny changes, editorial, ordering, etc
- Next steps
  - *No particular action requested.*

# draft-vilajosana-6tisch-globaltime

- Action
  - -00 published on 1 March 2018
- Input
  - Review from Thomas Watteyne (<https://www.ietf.org/mail-archive/web/6tisch/current/msg05756.html>)
- Action
  - Authors to answer review, publish -01 during/after London?
- Next steps
  - New work, chairs need to see discussion on the ML regarding (1) relevance of work and (2) validity of technical solution proposed

# draft-watteyne-6lo-minimal-fragment

- To be presented at 6lo (Thomas requested a slot)
- Need to coordinate with Carsten about relationship with draft-bormann-lwig-6lowpan-virtual-reassembly-00.

# draft-thubert-6lo-fragment-recovery

- Derived from [draft-thubert-6lo-forwarding-fragments-08](#)
- Inherits the base of (MPLS) forwarding operation to [draft-watteyne-6lo-minimal-fragment](#)
  - Simplify sections 7.1 and 7.2 (fwd processing goes away)
  - Normative reference
- Adds the concept of the reverse LSP to the VRB
  - For the Ack
- Some new signaling and behavior
  - ECN, Abort

# draft-ietf-6lo-rfc6775-update

## IESG review

- Added glossary
- Changed name of unique ID to RUID
- Simplified Discovery of compatible 6LR (based on 6C10 only)
- Added new flag indicating plain host for backward compatibility
  - See <https://tools.ietf.org/html/draft-thubert-roll-unaware-leaves>
- Q: deprecate EUI-64 as registration ID?
- Q: Lifetime Units?
- Q: size of the RUID (AP-ND may need larger for better strength)

# Others

- 6tisch-roll-join-priority
- draft-papadopoulos-6tisch-pre-reqs
- draft-richardson-6tisch-minimal-rekey
- draft-richardson-6tisch-enrollment-enhanced-beacon
- draft-richardson-6tisch-join-enhanced-beacon
- draft-richardson-6tisch-roll-enrollment-priority-00