

# LPWAN WG

WG Chairs:

Alexander Pelov [a@ackl.io](mailto:a@ackl.io)

Pascal Thubert [pthubert@cisco.com](mailto:pthubert@cisco.com)

AD: Suresh Krishnan  
<[suresh@kaloom.com](mailto:suresh@kaloom.com)>

# Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

[BCP 9](#) (Internet Standards Process)

[BCP 25](#) (Working Group processes)

[BCP 25](#) (Anti-Harassment Procedures)

[BCP 54](#) (Code of Conduct)

[BCP 78](#) (Copyright)

[BCP 79](#) (Patents, Participation)

<https://www.ietf.org/privacy-policy/> (Privacy Policy)



## Reminder:

Minutes are taken \*

This meeting is recorded \*\*

Presence is logged

Scribe; please contribute online to the minutes at: <https://etherpad.ietf.org/p/notes-ietf-106-lpwan?useMonospaceFont=true>

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

# Minute takers, jabber scribes



- Minutes
  - Etherpad: <https://etherpad.ietf.org/p/notes-ietf-I06-lpwan?useMonospaceFont=true>
  - Minute takers volunteers?
- Remote participation
  - Meetecho: <http://www.meetecho.com/ietfI06/lpwan>
  - Jabber: [lpwan@jabber.ietf.org](http://lpwan@jabber.ietf.org)
    - Jabber scribe volunteers?
- Mailing list: [lp-wan@ietf.org](mailto:lp-wan@ietf.org)
  - To subscribe: <https://www.ietf.org/mailman/listinfo/lp-wan>
- Meeting materials: <https://datatracker.ietf.org/meeting/I06/session/lpwan>

# Agenda bashing

15:20	Opening, agenda bashing (Chairs) <ul style="list-style-type: none"><li>• Note-Well, Scribes, Agenda Bashing</li><li>• Status of drafts</li><li>• Presenters: The Chairs</li></ul>	10mn
15:30	Hackathon I06 <ul style="list-style-type: none"><li>• Presenter: Dominique Barthel</li><li>• Goal: news on implementations</li></ul>	5mn
15:35	draft-ietf-lpwan-ipv6-static-context-hc <ul style="list-style-type: none"><li>• Presenters: Dominique Barthel</li><li>• Goal: changes and status</li></ul>	20mn
15:55	draft-ietf-lpwan-schc-over-sigfox <ul style="list-style-type: none"><li>• Presenter: Juan-Carlos Zuniga</li><li>• Goal: updates</li></ul>	10mn

# Agenda bashing (cont.)

16:05	draft-ietf-lpwan-ipv6-schc-over-lorawan <ul style="list-style-type: none"><li>• Presenter: Olivier Gimenez</li><li>• Goal: updates</li></ul>	15mn
16:20	draft-ietf-lpwan-schc-yang-data-model <ul style="list-style-type: none"><li>• Presenter: Laurent Toutain</li><li>• Goal: updates</li></ul>	10mn
16:30	draft-ietf-lpwan-coap-static-context-hc <ul style="list-style-type: none"><li>• Presenter: Laurent Toutain</li><li>• Goal: updates</li></ul>	10mn
16:40	draft-barthel-lpwan-oam-schc <ul style="list-style-type: none"><li>• Presenter: Dominique Barthel</li><li>• Goal: updates</li></ul>	10mn
16:50	<ul style="list-style-type: none"><li>• AOB,Adjourn</li></ul>	QS

# Status

WG formed October 14<sup>th</sup>, 2016

Done

- Charter item #1 (Informational document)
  - Baseline technology description
- Charter item #2 (Standards track document)
  - Enable the compression and fragmentation of a CoAP/UDP/IPv6 packet over LPWA networks

# Milestones

Date ↕	Milestone	↕
Done	Submit CoAP compression mechanism to the IESG for publication as a Proposed Standard	
Done	Submit IP/UDP compression and fragmentation mechanism to the IESG for publication as a Proposed Standard	
Done	Submit LPWAN specification to the IESG for publication as an Informational Document	
Done	Adopt CoAP compression mechanism as a WG item	
Done	Adopt IP/UDP compression and fragmentation mechanism as a WG item	
Done	Adopt LPWAN specifications as WG item	



# All set to recharter...

1. SCHC Maintenance, including new bar-over-SCHC Standard Track documents. ~~Produce a Standards Track document to enable the compression and fragmentation of a CoAP messages over LPWA networks. This will be achieved through stateful mechanisms, for a relevant subset of the possible CoAP interactions (TBD as part of the work).~~
2. Produce a Standards Track document to define the generic data models to formalize the compression and fragmentation contexts.
3. Produce Standard Track documents to apply SCHC IPv6/UDP over the baseline technologies.
4. Produce a Standards Track document to enable operations, administration and maintenance (OAM) to the LPWAN device, including support for delayed or proxied liveness verification (Ping).