

# LPWAN WG

WG Chairs:

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## 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/lpwan>
- \*\* Recordings and Minutes are public and may be subject to discovery in the event of litigation.
- \*\*\* From the Webex login

# Agenda bashing

- 16:05> Opening, agenda bashing (Chairs) [10min]
- Note-Well, Scribes, Agenda Bashing
  - Approval minutes from last meeting
  - Review last interim todos
  - Terminology
- 16:15> LPWAN Overview - WGLC status and updates (Stephen Farrel) [10min]
- <https://datatracker.ietf.org/doc/draft-ietf-lpwan-overview/>
  - WGLC
- 16:25> Static Context Header Fragmentation (Carles) [15min]
- <https://datatracker.ietf.org/doc/draft-ietf-lpwan-ipv6-static-context-hc/>
- 16:40> Interop organization (Laurent, Dominique) [10min]
- 16:50> Organization IETF 99 (Pascal, Alexander) [10min]
- 17:00> AOB [QS]

# Charter - Milestones

## Milestones

**Date**    ⇄    **Milestone**

Jul 2017    Submit CoAP compression mechanism to the IESG for publication as a Proposed Standard

May 2017    Submit IP/UDP compression and fragmentation mechanism to the IESG for publication as a Proposed Standard

Apr 2017    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

# Last meeting Action items

- ~~Start WGLC Process for LPWAN overview~~
- ~~CG: Default fragmentation mode (Window mode)~~
- DB, DD: Review SCHC IP/UDP fragmentation

# LPWAN Overview

Editor: Stephen Farrell  
(many contributors)

# Terminology

- Ongoing WGLC
  - WI-SUN addition
  - LoRaWAN changes

# LPWAN SCHC Fragmentation

Authors:

Ana Minaburo <ana@ackl.io>

Laurent Toutain <laurent.toutain@imt-atlantique.fr>

Carles Gomez <carlesgo@entel.upc.edu>

# Status

- Updates since the last interim (21<sup>st</sup> June)
- Available in -05

## 9.6. Baseline mechanism

- Improvements
  - Make sure text states what is actually intended
  - “Gaps” filled in 9.6 since content had been moved to previous introductory subsections
  - Readability

# Technical updates

- Updates
  - MAX\_ACKS\_PER\_WINDOW
    - Only for Window mode - ACK on error
  - MAX\_FRAG\_RETRIES
    - Added for Window mode - ACK “always”
- Rationale
  - Control number of retransmission “rounds”

# Thanks!

# Comments?

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# Interop organization

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Dominique Barthel <dominique.barthel@orange.com>

# Where? When?

- Which date?
- Setup

# Organization IETF99

Pascal Thubert <pthubert@cisco.com>

Alexander Pelov <a@ackl.io>

# Preliminary agenda IETF99

09:30> Opening, agenda bashing (Chairs)

- [10min] • Note-Well, Blue Sheets, Scribes, Agenda Bashing
  - Milestones

09:40> LPWAN at the Hackathon (Dominique Barthel)

[10min] 09:50> LPWAN Overview WGLC results and next steps (Stephen Farrel)

- [10min] • <https://datatracker.ietf.org/doc/draft-ietf-lpwan-overview/>

10:00> Static Context Header Compression Fragmentation Header (Carles Gomez)

- [15min] • <https://datatracker.ietf.org/doc/draft-ietf-lpwan-ipv6-static-context-hc/>

10:15> Static Context Header Compression for IPv6 (Ana Minaburo)

- [15min] • <https://datatracker.ietf.org/doc/draft-ietf-lpwan-ipv6-static-context-hc/>

10:30> Static Context Header Compression for CoAP (Laurent Toutain)

- [20min] • <https://datatracker.ietf.org/doc/draft-ietf-lpwan-coap-static-context-hc/> 10:50> Static Context Header Compression for ICMPv6 (Diego Dujovne)

- [10min] • <https://datatracker.ietf.org/doc/draft-ietf-lpwan-icmpv6-static-context-hc/>

11:00> Rechartering items (Chairs)

- [20min] •