

LPWAN WG

WG Chairs:

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Note Well

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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 might be recorded **

Presence is logged ***

- * Scribe; please contribute online to the minutes at: <https://etherpad.tools.ietf.org/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) <ul style="list-style-type: none">• Note-Well, Scribes, Agenda Bashing• Last time todos• Status of drafts	10mn
16:10	SCHC over LoRaWAN (Ivaylo)	30mn
16:40	CoAP over SCHC (Ana)	10mn
16:50	AOB	10mn

WG progress

Milestones

Date	Milestone
Nov 2019	Submit CoAP compression mechanism to the IESG for publication as a Proposed Standard draft-ietf-lpwan-coap-static-context-hc
Done	Submit IP/UDP compression and fragmentation mechanism to the IESG for publication as a Proposed Standard draft-ietf-lpwan-ipv6-static-context-hc
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

Tentative schedule

- IP/UDP SCHC
 - Pending IOT Directorate Review
 - Carsten reviewed Compression, working on Fragmentation
 - Pending INT Directorate Review
 - Waiting input from Suresh on next steps
- Rechartering soon

draft-ietf-lpwan-schc-over-lorawan

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IETF Virtual Interim, May 29th, 2019

Recap

- What has happened since IETF104?
 - v03 became v00 of the WG draft
 - Work on v01

Changes

- Update link to LoRaWAN specification
- Add Marc and Olivier as Authors (I believe we should discuss this moving people to Contributors).
- Update references to LPWAN overview document
- Typos + more clear wording (bytes instead of octets, etc)
- Updated Architecture figure
- Some reminders of mapping between LoRaWAN terminology and IETF terminology provided as we go for clarity
- The generic term **devices** is replaced by the more precise **end-devices** wherever that is appropriate

More changes

- Extra details added to figure **LoRaWAN addresses**
- Details about the difference between confirmed and unconfirmed messages
- Added a short section about **Overview of LoRaWAN MAC Frames**
- FportDwn and FPortUp are replaced by FPortUpShort (1 byte header, max msg size 381), FPortUpDefault (2 byte header max msg size 1524) and FPortDown and their description is improved
- RuleID min supported size extended from 3bit to 6 bits
- Open question: **IID computation**

Further changes

- ACK-on-Error replaces Ack-Always for uplink fragmentation
- Added Dtag of 1 bit in fragmentation
- Fragmentation parameters are represented as a list - more concise and hopefully, easier for implementers to follow
- Fragmentation Figures are reworked accordingly
- Ack format might be slightly different than the original SCHC draft
- Examples are added for uplink

Next steps

- Publish this new version before next IETF
- Have some reviews
- Iterate

Thank you for your attention

draft-ietf-lpwan-coap-static-context-hc-07

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Version -07

- Difference from -06
- WGLC started
 - Waiting for comments

AOB ?