

LPWAN WG

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Note Well

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

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

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

[BCP 78](#) (Copyright)

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I E T F

Reminder:

Minutes are taken *

This meeting might be recorded **

Presence is logged ***

* Please contribute to the minutes at: <https://codimd.ietf.org/notes-ietf-interim-2021-lpwan-12-lpwan>

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

*** Automated from the Meetecho access

Agenda bashing

[16:05] Administrivia

[5min]

- o Note-Well, Scribes, Agenda Bashing
- o WG Status

[16:10] LPWAN Architecture Update(Chairs)

[10min]

[16:20] The delay tolerant problem

[20min]

[16:40] YANG module integration

[15min]

Action items

- Update architecture (Alex + Pascal)
- Split the data model (Laurent)

WG Status

Milestones

Date	Milestone
Feb 2022	Produce a Standards Track document for SCHC over NB-IoT draft-ietf-lpwan-schc-over-nbiot
Feb 2022	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)
Oct 2021	Produce a Standards Track document for SCHC over SigFox draft-ietf-lpwan-schc-over-sigfox
Feb 2021	Produce a Standards Track document to define the generic data models to formalize the compression and fragmentation contexts for LPWANs
Dec 2020	Produce Standard Track documents to apply SCHC IPv6/UDP over the baseline technologies
May 2020	Perform SCHC Maintenance, including enabling SCHC mechanisms for Upper layer Protocols

draft-ietf-lpwan-schc-compound-ack?

Document advancement

Document	Date	Status	IPR	AD / Shepherd
Active Internet-Drafts (5 hits)				
draft-ietf-lpwan-architecture-01 LPWAN Static Context Header Compression (SCHC) Architecture	2021-11-26 13 pages	I-D Exists WG Document: Informational New		
draft-ietf-lpwan-schc-compound-ack-01 SCHC Compound ACK	2021-10-18 9 pages	I-D Exists WG Document		
draft-ietf-lpwan-schc-over-nbiot-06 SCHC over NB-IoT	2021-10-25 21 pages	I-D Exists WG Document <i>Feb 2022</i>		Éric Vyncke
draft-ietf-lpwan-schc-over-sigfox-08 SCHC over Sigfox LPWAN	2021-10-24 33 pages	I-D Exists WG Document <i>Oct 2021</i>		Éric Vyncke
draft-ietf-lpwan-schc-yang-data-model-06 Data Model for Static Context Header Compression (SCHC)	2021-11-24 50 pages	I-D Exists WG Document Reviews: yangdoctors New		Éric Vyncke
RFCs (4 hits)				
RFC 8376 (was draft-ietf-lpwan-overview) Low-Power Wide Area Network (LPWAN) Overview	2018-05 43 pages	Informational RFC		Suresh Krishnan Alexander Pelov
RFC 8724 (was draft-ietf-lpwan-ipv6-static-context-hc) SCHC: Generic Framework for Static Context Header Compression and Fragmentation	2020-04 71 pages	Proposed Standard RFC		Suresh Krishnan Pascal Thubert
RFC 8824 (was draft-ietf-lpwan-coap-static-context-hc) Static Context Header Compression (SCHC) for the Constrained Application Protocol (CoAP)	2021-06 30 pages	Proposed Standard RFC		Éric Vyncke Pascal Thubert
RFC 9011 (was draft-ietf-lpwan-schc-over-lorawan) Static Context Header Compression and Fragmentation (SCHC) over LoRaWAN	2021-04 26 pages	Proposed Standard RFC	1	Éric Vyncke Dominique Barthel

LPWAN Architecture

draft-ietf-lpwan-architecture

A. Pelov, P. Thubert, A. Minaburo

What's new?

- LPWAN Applicability + Device Lifecycle

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What's missing?

- Examples (e.g., GOOSE)
- Lifecycle Discussions and reviews
- FUOTA
- Key management vs Rules (one touch)

AOB ?