

LPWAN WG

WG Chairs:

Alexander Pelov <a@ackl.io>

Pascal Thubert <pthubert@cisco.com>

AD: Eric Vyncke

<evyncke@cisco.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 might be recorded **

Presence is logged ***

* Please contribute to the minutes at: <https://codimd.ietf.org/notes-ietf-interim-2021-lpwan-11-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] Administrivia

[10min]

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

[16:15] Compound Ack (Chairs)

[10min]

[16:25] AOB

[QS]

Action items

- (Chairs) Push the OAM document to 2/22
- (JCZ) to ask the ML about how to publish 1) the compound ack and 2) the associated YANG(Carsten) Kick off OSCORE discussion on passing SCHC Rules with security context

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

Interim, June 29th, 2021

Document advancement

Document	Date	Status	IPR	AD / Shepherd
Active Internet-Drafts (5 hits)				
draft-ietf-lpwan-architecture-00 LPWAN Static Context Header Compression (SCHC) Architecture	2021-05-18 10 pages	I-D Exists WG Document:Informational		
draft-ietf-lpwan-coap-static-context-hc-19 LPWAN Static Context Header Compression (SCHC) for CoAP	2021-03-08 34 pages	RFC Ed Queue : AUTH48-DONE for 113 days Submitted to IESG for Publication:Proposed Standard Reviews: genart, iotdir, opsdire, secdir, tsvart		Éric Vyncke Pascal Thubert
draft-ietf-lpwan-schc-over-nbiot-04 SCHC over NB-IoT	2021-01-19 22 pages	I-D Exists WG Document Feb 2022		Éric Vyncke
draft-ietf-lpwan-schc-over-sigfox-06 SCHC over Sigfox LPWAN	2021-06-11 32 pages	I-D Exists WG Document Oct 2021		Éric Vyncke
draft-ietf-lpwan-schc-yang-data-model-04 Data Model for Static Context Header Compression (SCHC)	2021-02-02 42 pages	I-D Exists WG Document Reviews: yangdoctors		Éric Vyncke
RFCs (3 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 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

Interim, June 29th, 2021

IETF 111



LPWAN-ing

- Meetings will be made of the CEST night
 - On basis that
- We have in mind
 - 5 in series
 - Scheduled between now and then
- Should we ask for an official meeting?

Interim-2021-lpwan-	Tue 2021-05-18
Interim-2021-lpwan-	Tue 2021-06-01
Interim-2021-lpwan-	Tue 2021-06-15
Interim-2021-lpwan-11	Tue 2021-06-29
Interim-2021-lpwan-12	Tue 2021-07-13

Compound Ack Discussion

Compound Ack Options / ML



- JCZ wrote on ML for the 3 options:
 1. Include in the SCHC/Sigfox draft [1] a Yang Data Model extension of [2] to define the new SCHC Compound ACK as a Fragmentation parameter
 2. Split the SCHC/Sigfox draft [1] in the following way:
 - Write a new draft to define the SCHC Compound ACK and the associated extensions to the Data Model
 - Standalone SCHC/Sigfox profile
 3. Extend the existing Yang Data Model draft [2] to include the SCHC Compound ACK as a Fragmentation parameter

[1] <https://datatracker.ietf.org/doc/html/draft-ietf-lpwan-schc-over-sigfox-06>

Compound Ack Options / ML



- JCZ wrote on ML for the 3 options:
 1. Include in the SCHC/Sigfox draft [1] a Yang Data Model extension of [2] to define the new SCHC Compound ACK as a Fragmentation parameter
 2. Split the SCHC/Sigfox draft [1] in the following way:
 - 8 votes for Option 2
 - Write a new draft to define the SCHC Compound ACK and the associated extensions to the Data Model (out of which 2 supported as well 1, but as a weaker preference)
 - Standalone SCHC/Sigfox profile
 3. Extend the existing Yang Data Model draft [2] to include the SCHC Compound ACK as a Fragmentation parameter

[1] <https://datatracker.ietf.org/doc/html/draft-ietf-lpwan-schc-over-sigfox-06>

[2] <https://datatracker.ietf.org/doc/html/draft-ietf-lpwan-schc-yang-data-model-04>

Next Steps?

- Compound Ack Draft
 - In Charter (to confirm with AD)
- Other baseline technologies
 - How to handle them?

AOB ?