LPWAN WG

WG Chairs:
Alexander Pelov <a@ackl.io>
Pascal Thubert <pthubert@cisco.com>

AD: Eric Vyncke
<evyncke@cisco.com>

Webex

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)

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-2020-lpwan-16-lpwan?both
** 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, IETF 109 News
[16:15] SCHC over LoRaWAN   [15min]
[16:30] CoAP over SCHC
[15min] [16:45] Open Bar / AOB
    [QS]

WG Status

Milestones

Date	Milestone
Jul 2021	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)
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

Documents advancement

Document		Date		Status		IPR	AD / Shepherd	
Active Internet-Drafts (5 hits)								
draft-ietf-lpwan-coap-static-context-hc-16 **LPWAN Static Context Header Compression (SCHC) for CoAP**		2020-10-20 31 pages	New	IESG Evaluation::AD Followup `for 110 days` Submitted to IESG for Publication: Proposed Standard Reviews: genart, iotdir, opsdir, secdir, tsvart			Éric Vyncke ✉ Pascal Thubert ✉	
draft-ietf-lpwan-schc-over-lorawan-13 **Static Context Header Compression (SCHC) over LoRaWAN**		2020-10-30 28 pages	New	IESG Evaluation `for 15 days` IESG telechat: 2020-11-05 Submitted to IESG for Publication: Proposed Standard Reviews: genart, iotdir, opsdir, secdir, tsvart		1	Éric Vyncke ✉ Dominique Barthel ✉	
draft-ietf-lpwan-schc-over-nbiot-03 **SCHC over NB-IoT**		2020-07-13 23 pages		I-D Exists WG Document			Éric Vyncke ✉	
draft-ietf-lpwan-schc-over-sigfox-04 **SCHC over Sigfox LPWAN**		2020-11-02 14 pages	New	I-D Exists WG Document			Éric Vyncke ✉	
draft-ietf-lpwan-schc-yang-data-model-03 **Data Model for Static Context Header Compression (SCHC)**		2020-07-10 42 pages		I-D Exists WG Document			Éric Vyncke ✉	
RFCs (2 hits)								
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 8376 *(was draft-ietf-lpwan-overview)* **Low-Power Wide Area Network (LPWAN) Overview**		2018-05 43 pages		Informational RFC			Suresh Krishnan ✉ Alexander Pelov ✉	

Document		Date		Status		IPR		AD / Shepherd	
Related Internet-Draft (1 hit)									
draft-barthel-lpwan-oam-schc-02 **OAM for LPWAN using Static Context Header Compression (SCHC)**		2020-11-02 14 pages	New	I-D Exists					

IETF 109 Next Important Dates

- **2020-10-09 (Friday):** Cut-off date for Area Directors to approve BOFs
- **2020-10-16 (Friday):** Early Bird registration and payment cut-off
- **2020-10-16 (Friday):** Preliminary Agenda published for comment.
- **2020-10-21 (Wednesday):** Cut-off date for requests to reschedule WG
- **2020-10-23 (Friday):** Final agenda to be published.
- **2020-11-02 (Monday):** Standard rate registration and payment cut-off
- **2020-11-02 (Monday):** Internet Draft submission cut-off (for all drafts)

Status: draft-ietf-lpwan-schc-over-lorawan

Editors:

Ivaylo Petrov (ivaylo@ackl.io)

Olivier Gimenez (ogimenez@semtech.com)

Agenda

- Changes since 06/10/2020
- Next steps

Changes since last interim

- Published draft-11, draft-12, draft-13

- IESG Evaluation:

Yes

Éric Vyncke

No Objection

Roman Danyliw
Martin Duke
Erik Kline
Martin Vigoureux

Published drafts

- Draft-11
  - Clarification on last tile position thanks to Arun comment
  - Clarifications thanks to Rahul (iot dir) comments
  - Clarifications thanks to Robert (genart dir) comments

- Draft-12
  - Fix merge issue

- Draft-13
  - Clarifications following Martin Duke (IESG) comments
  - Clarifications following Dominique comments (mainly on figures)

Next steps

- Planned for IESG telechat on 05/11/2020

- Question from Erik Kline on IID algorithm:

```
[ section 5.3 ]

* Is this MUST really necessary?  If an implementation wanted to, say, read
  8 bytes from a good /dev/urandom source wouldn't that also be okay?  Seems
  like SHOULD would suffice (with a MUST NOT comment about not just using
  DevEUI etc).
```

Answer: Yes as both device and SCHC gateway need to be able to

create the IID, it avoid IID synchronization between them.

Status: draft-ietf-lpwan-coap-static-context-hc

Ana Minaburo

Laurent Toutain

Ricardo Andreasen

AOB ?