LPWAN WG

Special Interim => IETF 107

WG Chairs:
Alexander Pelov <a@ackl.io>
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AD: Eric Vyncke
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Webex

IETF 107 LPWAN Meeting

Working Group Name:	IPv6 over Low Power Wide-Area Networks (lpwan)
Area Name:	Internet Area
Number of Sessions Requested:	1
Length of Session 1:	1.5 Hours
Number of Attendees:	60
Conflicts to Avoid:	Chair Conflict: 6lo roll rift core intarea manysman
	Technology Overlap: detnet netconf lwig suit cbor lake
	Key Participant Conflict: bier ace
Other WGs that included IPv6 over Low Power Wide-Area Networks in their conflict list:	intarea, babel
Resources requested:	none so far
People who must be present:	▪ Suresh Krishnan ▪ Pascal Thubert ▪ Alexander Pelov

CANCELLED

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.
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- 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 ***

*   Scribe; please contribute online to the minutes at: https://etherpad.ietf.org/p/notes-ietf-107-lpwan
** Recordings and Minutes are public and may be subject to discovery in the event of litigation.
*** From the Webex login

Agenda bashing 1/2

16:05] Administrivia   [10min]
  - o   Note-Well, Scribes, Agenda Bashing
  - o   WG Status
  - o   Next interims

[16:15] New charter   [5min]
[16:20] Status of drafts   [10min]
[16:30] Data Model   [10min]
[16:40] CoAP static Context   [15min]

Agenda bashing 2/2

[16:55] Tech: LoRAWAN   [15min]
[17:10] Tech: SigFox   [5min]
[17:15] Tech: PPP   [5min]
[17:10] Interop Text / Remote Hackathon   [10min]
[17:30] OAM   [10min]
[17:40] Multicast   [15min]
[17:55] 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

Charter 2.0

https://datatracker.ietf.org/doc/charter-ietf-lpwan/

Passed! The group will:

1. Perform SCHC Maintenance, including enabling SCHC mechanisms for Upper layer Protocols.
2. Produce Standard Track documents to apply SCHC IPv6/UDP over the baseline technologies.
3. Produce a Standards Track document to define the generic data models to formalize the compression and fragmentation contexts for LPWANs.
4. 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).

Documents advancement 1/2 LPWAN

RFCs (2 hits)				
RFC 8376 *(was draft-ietf-lpwan-overview)*	2018-05	Informational RFC	Suresh Krishnan ✉	
Low-Power Wide Area Network (LPWAN) Overview	43 pages		Alexander Pelov ✉	
RFC 8724 *(ietf-lpwan-ipv6-static-context-hc)*	2020-04	Proposed Standard RFC	Suresh Krishnan ✉	
SCHC: Gene... nework for Static Context Header Compression and	71 pages **New**		Pascal Thubert ✉	

Congratulations to the authors and the whole group !!!

Many thanks to Suresh and Welcome Eric !!!

Documents advancement 2/2

LPWAN

Active Internet-Drafts (5 hits)

draft-ietf-lpwan-coap-static-context-hc-13 **LPWAN Static Context Header Compression (SCHC) for CoAP**	2020-03-05 29 pages	IESG Evaluation::Revised I-D Needed `for 39 days` Submitted to IESG for Publication: Proposed Standard Reviews: genart, iotdir, opsdir, secdir, tsvart	Éric Vyncke ✉ Pascal Thubert ✉
draft-ietf-lpwan-schc-over-lorawan-07 **Static Context Header Compression (SCHC) over LoRaWAN**	2020-04-17 25 pages `New`	I-D Exists WG Document	
draft-ietf-lpwan-schc-over-nbiot-01 **SCHC over NB-IoT**	2019-11-16 22 pages	I-D Exists WG Document	
draft-ietf-lpwan-schc-over-sigfox-01 **SCHC over Sigfox LPWAN**	2019-11-04 10 pages	I-D Exists WG Document	
draft-ietf-lpwan-schc-yang-data-model-02 **Data Model for Static Context Header Compression (SCHC)**	2020-02-28 34 pages	I-D Exists WG Document	Suresh Krishnan ✉

Document	⬍ Date	⬍ Status	⬍ IPR	⬍ AD / Shepherd	⬍
Related Internet-Drafts (3 hits)					
draft-barthel-lpwan-oam-schc-01 **OAM for LPWAN using Static Context Header Compression (SCHC)**	2020-03-09 14 pages	I-D Exists			
draft-thubert-lpwan-command-reg-01 **Command and Control Registry for SCHC**	2020-03-25 4 pages	I-D Exists			
draft-thubert-lpwan-schc-over-ppp-00 **SCHC over PPP**	2019-12-03 5 pages	I-D Exists			

Next meetings

- LPWAN WG
  - 10 IETF, 9 Hackathons, <u>~50 interims</u>
- Resume regular meetings
  - Every two weeks, same slot (4PM-5PM CEST)
  - May 13th, May 27th, June 10th, June 24th, July 8th