

IETF 114 LPWAN WG Meeting

27 July 2022

WG Chairs: Alexander Pelov a@ackl.io
Pascal Thubert pthubert@cisco.com
Responsible AD: Eric Vyncke evyncke@cisco.com

This session is being recorded

IETF 114 Philadelphia
hosted by



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)

This session is being recorded

IETF 114 Meeting Tips

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*
- Wear masks unless actively speaking at the microphone.



Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session
- Use of a headset is strongly recommended

Resources for IETF 114 Philadelphia

- Agenda
<https://datatracker.ietf.org/meeting/agenda>
- Meetecho and other information:
<https://www.ietf.org/how/meetings/114/preparation>
- If you need technical assistance, see the Reporting Issues page:
<http://www.ietf.org/how/meetings/issues/>

13:30	Opening, agenda bashing (Chairs)	5mn
(17:30 UTC)	<ul style="list-style-type: none">• Note-Well, Scribes, Agenda Bashing• Status of drafts, need for rechartering• Presenters: The Chairs	
13:35	Status of SCHC-over-NBIOT <ul style="list-style-type: none">• Presenter: Ana Minaburo• Associated drafts: draft-ietf-lpwan-schc-over-nbiot	5mn
13:40	Yang Data Model for SCHC <ul style="list-style-type: none">• Presenter: Laurent Toutain• Associated drafts: draft-ietf-lpwan-schc-yang-data-model	10mn
13:50	Compound Ack + SCHC-over-SigFox Presenters: Sergio Aguilar Romero Associated drafts: draft-ietf-lpwan-schc-over-Sigfox draft-ietf-lpwan-schc-compound-ack	10mn

14:00	New Work on SCHC IP number <ul style="list-style-type: none">• Presenter: Robert Moskowitz• Associated drafts: draft-moskowitz-lpwan-ipnumber	10mn
14:10	Architecture draft <ul style="list-style-type: none">• Presenter: Pascal Thubert• Associated drafts: draft-ietf-lpwan-architecture	5mn
14:20	Rechartering <ul style="list-style-type: none">• Presenter: The chairs	10mn

WG Status

Date	Milestone	Associated documents
Dec 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)	
Feb 2022	Produce a Standards Track document for SCHC over NB-IoT	draft-ietf-lpwan-schc-over-nbiot
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	

Document's advancement



Active Internet-Drafts (5 hits)					
draft-ietf-lpwan-architecture-02	14 pages	2022-06-30	I-D Exists		
LPWAN Static Context Header Compression (SCHC) Architecture					
			WG Document : Informational		
draft-ietf-lpwan-schc-compound-ack-05	20 pages	2022-07-08	I-D Exists		
SCHC Compound ACK					
			WG Document : Proposed Standard		
					Alexander Pelov
draft-ietf-lpwan-schc-over-nbiot-10	22 pages	2022-07-11	AD Evaluation		Éric Vyncke
SCHC over NBIoT					
			Submitted to IESG for Publication : Proposed Standard		
			Feb 2022		
			Action Holder: Éric Vyncke		
					Pascal Thubert
draft-ietf-lpwan-schc-over-sigfox-11	36 pages	2022-07-25	I-D Exists		Éric Vyncke
SCHC over Sigfox LPWAN					
			WG Document : Proposed Standard		
			Oct 2021		
					Ana Minaburo
draft-ietf-lpwan-schc-yang-data-model-14	42 pages	2022-07-11	In Last Call (ends 2022-08-02)		Éric Vyncke
Data Model for Static Context Header Compression (SCHC)					
			Submitted to IESG for Publication : Proposed Standard		
			Reviews: yangdoctors LC yangdoctors Early opsdir LC secdir LC genart LC intdir LC		
			Action Holder: Éric Vyncke		
					Pascal Thubert
Related Internet-Drafts (3 hits)					
draft-barthel-lpwan-oam-schc-03	14 pages	2022-02-09	I-D Exists		
OAM for LPWAN using Static Context Header Compression (SCHC)					
draft-martinez-lpwan-meshed-rules-00	4 pages	2022-03-21	I-D Exists		
Can Rules be adapted to a Meshed environment					
draft-moskowitz-lpwan-ipnumber-00	6 pages	2022-06-03	I-D Exists		
IP Number for SCHC					

Publication
requested

Rechartering

- To generalize over technologies
 - PPP, IEEE 802.15.x
- To propose protocol extensions
 - SCHC Next Header