

# LPWAN WG

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# Note Well

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[BCP 9](#) (Internet Standards Process)

[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-09-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

[15min]

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

[16:20] Data Model for SCHC

[15min]

Discussion on features

[16:35] AUTH-48 for RFC-to-be 8824

[20min]

Status (Ana + Eric)

# WG Status

## Date ◆ Milestone

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](#)

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

# Document advancement

Document	Date	Status	IPR	AD / Shepherd
<b>Active Internet-Drafts (5 hits)</b>				
<a href="#">draft-ietf-lpwan-architecture-00</a>	2021-05-18	I-D Exists		
<a href="#">LPWAN Static Context Header Compression (SCHC) Architecture</a>	10 pages	<span>New</span> WG Document: Informational		
<a href="#">draft-ietf-lpwan-coap-static-context-hc-19</a>	2021-05-08	RFC Ed Queue: <b>AUTH48</b> <b>AUTH48</b> for 84 days		Éric Vyncke <a href="#">✉</a>
<a href="#">LPWAN Static Context Header Compression (SCHC) for CoAP</a>	34 pages	Submitted to IESG for Publication: Proposed Standard Reviews: genart, iotdir, opsdir, secdir, tsvart		Pascal Thubert <a href="#">✉</a>
<a href="#">draft-ietf-lpwan-schc-over-nbiot-04</a>	2021-01-19	I-D Exists		Éric Vyncke <a href="#">✉</a>
<a href="#">SCHC over NB-IoT</a>	22 pages	WG Document Feb 2022		
<a href="#">draft-ietf-lpwan-schc-over-sigfox-05</a>	2021-02-22	I-D Exists		Éric Vyncke <a href="#">✉</a>
<a href="#">SCHC over Sigfox LPWAN</a>	23 pages	WG Document Oct 2021		
<a href="#">draft-ietf-lpwan-schc-yang-data-model-04</a>	2021-02-02	I-D Exists		Éric Vyncke <a href="#">✉</a>
<a href="#">Data Model for Static Context Header Compression (SCHC)</a>	42 pages	WG Document Reviews: yangdoctors		
<b>RFCs (3 hits)</b>				
<a href="#">RFC 8376 (was draft-ietf-lpwan-overview)</a>	2018-05	Informational RFC		Suresh Krishnan <a href="#">✉</a>
<a href="#">Low-Power Wide Area Network (LPWAN) Overview</a>	43 pages			Alexander Pelov <a href="#">✉</a>
<a href="#">RFC 8724 (was draft-ietf-lpwan-ipv6-static-context-hc)</a>	2020-04	Proposed Standard RFC		Suresh Krishnan <a href="#">✉</a>
<a href="#">SCHC: Generic Framework for Static Context Header Compression and Fragmentation</a>	71 pages			Pascal Thubert <a href="#">✉</a>
<a href="#">RFC 9011 (was draft-ietf-lpwan-schc-over-lorawan)</a>	2021-04	Proposed Standard RFC	<b>1</b>	Éric Vyncke <a href="#">✉</a>
<a href="#">Static Context Header Compression and Fragmentation (SCHC) over LoRaWAN</a>	26 pages			Dominique Barthel <a href="#">✉</a>

# Action items

- (All) Consider RFC 5856 and RFC 6920
- (Carsten) Kick off OSCORE discussion on passing SCHC Rules with security context

# IETF 111

- Meetings will be in the middle of the CEST night
  - On 1st June that
- We have interim meetings
  - 5 Interims
  - 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

# LPWAN-ing



# draft-ietf-lpwan-schc-yang-data-model-04

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# draft-ietf-lpwan-coap-static-context- hc-19 AUTH-48

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# Status

- AUTH-48
- RFC8824
  - Thanks Eric
  - Thanks RFC-Editor

# Title

- Currently:
  - LPWAN Static Context Header Compression (SCHC) for CoAP
    - Low-Power Wide-Area Network (LPWAN) Static Context Header Compression and fragmentation (SCHC) for the Constrained Application Protocol (CoAP)
- Suggested (full abbreviated)
  - LPWAN SCHC for COAP

# USE of SCHC compression as noun

- Currently as a noun
  - SCHC compression
  - Does follow RFC8724 where SCHC (Static Context Header Compression and Fragmentation) ?
  - Or does SCHC compression means: Static Context Header Compression compression?

## Section 3. DI make the difference

- Does it mean “determine the difference between header types “
- Or something else?
  
- => Identify Request or Response descriptions, using DI as decision maker
- The field description MAY define both request/response header and target values in the same Rule, using the DI (direction indicator) to indicate the header type

# Verify new changes from Editor

- Approve the latest changes base on our answers

**AOB ?**