LPWAN WG

WG Chairs:
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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.

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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-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
  o Note-Well, Scribes, Agenda Bashing
  o WG Status, IETF 109 News
[16:15] SCHC over LoRaWAN
[16:30] CoAP over SCHC
[15min] [16:45] Open Bar / AOB
[ QS ]
# WG Status

## Milestones

<table>
<thead>
<tr>
<th>Date</th>
<th>Milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul 2021</td>
<td>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)</td>
</tr>
<tr>
<td>Feb 2021</td>
<td>Produce a Standards Track document to define the generic data models to formalize the compression and fragmentation contexts for LPWANs</td>
</tr>
<tr>
<td>Dec 2020</td>
<td>Produce Standard Track documents to apply SCHC IPv6/UDP over the baseline technologies</td>
</tr>
<tr>
<td>May 2020</td>
<td>Perform SCHC Maintenance, including enabling SCHC mechanisms for Upper layer Protocols</td>
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# Documents advancement

## Active Internet-Drafts (5 hits)

<table>
<thead>
<tr>
<th>Document</th>
<th>Status</th>
<th>Date</th>
<th>IPR</th>
<th>AD / Shepherd</th>
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<tbody>
<tr>
<td>draft-ietf-lpwan-coap-static-context-hc-16</td>
<td>IESG Evaluation::AD Followup</td>
<td>2020-10-20</td>
<td>New</td>
<td>Éric Vyncke</td>
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<tr>
<td>LPWAN Static Context Header Compression (SCHC) for CoAP</td>
<td>IESG Evaluation</td>
<td>2020-10-30</td>
<td>New</td>
<td>Pascal Thubert</td>
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<tr>
<td>draft-ietf-lpwan-schc-over-lorawan-15</td>
<td>for 15 days</td>
<td>2020-11-05</td>
<td>Submitted to IESG for Publication: Proposed Standard Reviews: genart, iotdir, opsdir, secdir, tsvart</td>
<td>Éric Vyncke</td>
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<tr>
<td>Static Context Header Compression (SCHC) over LoRaWAN</td>
<td>IESG Evaluation</td>
<td>2020-11-05</td>
<td>New</td>
<td>Dominique Barthel</td>
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<tr>
<td>draft-ietf-lpwan-schc-over-nbiot-03</td>
<td>I-D Exists</td>
<td>2020-07-13</td>
<td>25 pages</td>
<td>Éric Vyncke</td>
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<td>SCHC over NB-IoT</td>
<td>WG Document</td>
<td>2020-07-13</td>
<td>25 pages</td>
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<td>draft-ietf-lpwan-schc-over-sigfox-04</td>
<td>I-D Exists</td>
<td>2020-11-02</td>
<td>14 pages</td>
<td>Éric Vyncke</td>
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<td>SCHC over Sigfox LPWAN</td>
<td>WG Document</td>
<td>2020-11-02</td>
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<td>draft-ietf-lpwan-schc-yang-data-model-03</td>
<td>I-D Exists</td>
<td>2020-07-10</td>
<td>42 pages</td>
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<td>Data Model for Static Context Header Compression (SCHC)</td>
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<td>42 pages</td>
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## RFCs (2 hits)

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<tr>
<td>RFC 8724 (was draft-ietf-lpwan-ipv6-static-context-hc)</td>
<td>Proposed Standard RFC</td>
<td>2020-04</td>
<td>71 pages</td>
<td>Suresh Krishnan</td>
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<tr>
<td>SCHC: Generic Framework for Static Context Header Compression and Fragmentation</td>
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<td></td>
<td></td>
<td>Pascal Thubert</td>
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<tr>
<td>RFC 8376 (was draft-ietf-lpwan-overview)</td>
<td>Informational RFC</td>
<td>2018-05</td>
<td>45 pages</td>
<td>Suresh Krishnan</td>
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<tr>
<td>Low-Power Wide Area Network (LPWAN) Overview</td>
<td></td>
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<td>Alexander Pelov</td>
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## Related Internet-Draft (1 hit)

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<td>draft-bartel-lpwan-oam-schc-02</td>
<td>I-D Exists</td>
<td>2020-11-02</td>
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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-Ipwan-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

Interim, November 3rd, 2020
AOB ?