LPWAN WG

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Note Well

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Interim, July 5th, 2017
Reminder:

Minutes are taken *
This meeting is recorded **
Presence is logged ***

* Scribe; please contribute online to the minutes at: http://etherpad.tools.ietf.org:9000/p/lpwan
** Recordings and Minutes are public and may be subject to discovery in the event of litigation.
*** From the Webex login
Interim, July 5th, 2017

16:05> Opening, agenda bashing (Chairs) [10min]
   • Note-Well, Scribes, Agenda Bashing
   • Approval minutes from last meeting
   • Review last interim todos
   • Terminology

16:15> LPWAN Overview - WGLC status and updates (Stephen Farrel) [10min]
   • https://datatracker.ietf.org/doc/draft-ietf-lpwan-overview/
   • WGLC

16:25> Static Context Header Fragmentation (Carles) [15min]
   • https://datatracker.ietf.org/doc/draft-ietf-lpwan-ipv6-static-context-hc/

16:40> Interop organization (Laurent, Dominique) [10min]

16:50> Organization IETF 99 (Pascal, Alexander) [10min]

17:00> AOB [QS]

Agenda bashing
# Charter - Milestones

**Milestones**

<table>
<thead>
<tr>
<th>Date</th>
<th>Milestone</th>
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<tbody>
<tr>
<td>Jul 2017</td>
<td>Submit CoAP compression mechanism to the IESG for publication as a Proposed Standard</td>
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<tr>
<td>May 2017</td>
<td>Submit IP/UDP compression and fragmentation mechanism to the IESG for publication as a Proposed Standard</td>
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<tr>
<td>Apr 2017</td>
<td>Submit LPWAN specification to the IESG for publication as an Informational Document</td>
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<tr>
<td></td>
<td>Adopt CoAP compression mechanism as a WG item</td>
</tr>
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</tr>
<tr>
<td></td>
<td>Adopt LPWAN specifications as WG item</td>
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Last meeting Action items

• Start WGLC Process for LPWAN overview
• CG: Default fragmentation mode (Window mode)
• DB, DD: Review SCHC IP/UDP fragmentation
LPWAN Overview

Editor: Stephen Farrell
(many contributors)
Terminology

• **Ongoing WGLC**
  – WI-SUN addition
  – LoRaWAN changes
LPWAN SCHC Fragmentation

Authors:
Ana Minaburo <ana@ackl.io>
Laurent Toutain <laurent.toutain@imt-atlantique.fr>
Carles Gomez <carlesgo@entel.upc.edu>
Status

• Updates since the last interim (21st June)

• Available in -05
9.6. Baseline mechanism

• Improvements
  – Make sure text states what is actually intended
  – “Gaps” filled in 9.6 since content had been moved to previous introductory subsections
  – Readability
Technical updates

• Updates
  – MAX_ACKS_PER_WINDOW
    • Only for Window mode - ACK on error
  – MAX_FRAG_RETRIES
    • Added for Window mode - ACK “always”

• Rationale
  – Control number of retransmission “rounds”
Thanks!

Comments?

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Carles Gomez <carlesgo@entel.upc.edu>
Interop organization

Laurent Toutain <laurent.toutain@imt-atlantique.fr>
Dominique Barthel <dominique.barthel@orange.com>
Where? When?

• Which date?
• Setup
Organization IETF99

Pascal Thubert <pthubert@cisco.com>
Alexander Pelov <a@ackl.io>
Preliminary agenda IETF99

09:30> Opening, agenda bashing (Chairs)
[10min] • Note-Well, Blue Sheets, Scribes, Agenda Bashing
  • Milestones
  09:40> LPWAN at the Hackathon (Dominique Barthel)
[10min] 09:50> LPWAN Overview WGLC results and next steps (Stephen Farrel)
[10min] • https://datatracker.ietf.org/doc/draft-ietf-lpwan-overview/
10:00> Static Context Header Compression Fragmentation Header (Carles Gomez)
10:15> Static Context Header Compression for IPv6 (Ana Minaburo)
10:30> Static Context Header Compression for CoAP (Laurent Toutain)
11:00> Rechartering items (Chairs)
[20min] •