LPWAN WG

WG Chairs:
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Note Well

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- The RFC Editor or the Internet-Drafts function

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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/notes-ietf-99-lpwan
** Recordings and Minutes are public and may be subject to discovery in the event of litigation.
*** From the Webex login
Minute takers, jabber scribes

- **Minutes**
  - Minute takers volunteers?

- **Remote participation**
  - Jabber: lpwan@jabber.ietf.org
    - Jabber scribe volunteers?

- **Mailing list:** lp-wan@ietf.org
  - To subscribe: https://www.ietf.org/mailman/listinfo/lp-wan

- **Meeting materials:** https://datatracker.ietf.org/meeting/99/materials.html/#lpwan
Agenda bashing (1/2)

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) [15min]
  • https://datatracker.ietf.org/doc/draft-ietf-lpwan-ipv6-static-context-hc/

10:15> Static Context Header Compression for IPv6 (Ana Minaburo) [15min]
  • https://datatracker.ietf.org/doc/draft-ietf-lpwan-ipv6-static-context-hc/

10:30> Static Context Header Compression for CoAP (Laurent Toutain) [15min]

10:45> Static Context Header Compression for ICMPv6 (Diego Dujovne) [10min]
  • https://datatracker.ietf.org/doc/draft-ietf-lpwan-icmpv6-static-context-hc/
Agenda bashing (2/2)

10:55> YANG for SCHC (Laurent Toutain) [5min]
11:00> Rechartering items so far [25min]
   • Items discussed on the mailing list and at interims (Ana)
   • Open Discussion (lead by Chairs)
11:20> News from IEEE meeting (Bob Heile) [5min]
11:30> AOB [0min]
11:30> Adjourn
Status

WG formed October 14th

• Charter item #1  (Informational document)
  – Baseline technology description

• Charter item #2  (Standards track document)
  – Enable the compression and fragmentation of a CoAP/UDP/IPv6 packet over LPWA networks
# 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>
</tr>
<tr>
<td>May 2017</td>
<td>Submit IP/UDP compression and fragmentation mechanism to the IESG for publication as a Proposed Standard</td>
</tr>
<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><strong>Done</strong> Adopt CoAP compression mechanism as a WG item</td>
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Milestones

Dec 2016
Adopt LPWAN overview draft

Apr 2017
WG Last Call
Milestones

- Dec 2016: Adopt LPWAN overview draft
- Apr 2017: WG Last Call
- May 2017: Adopt IP/UDP compression & fragmentation
Milestones

- **Dec 2016**
  - Adopt LPWAN overview draft
  - Adopt CoAP compression

- **Apr 2017**
  - Adopt IP/UDP compression & fragmentation

- **May 2017**
  - WG Last Call

- **Jun 2017**
  - IP/UDP compression & fragmentation
Milestones

- Adopt LPWAN overview draft
- Adopt CoAP compression
- Design team
- Mar 2017
- Apr 2017
- May 2017
- Jun 2017
- IETF98

LPWAN@IETF99
Milestones

Design team

IETF98

LPWAN overview
Apr 2017

IP/UDP SCHC
May 2017

CoAP SCHC
Jun 2017

IETF99

LPWAN@IETF98
Milestones

- Design team
- LPWAN overview: Apr 2017
- IP/UDP SCHC: May 2017
- CoAP SCHC: Jun 2017
- Interim #1
- Interim #2
- Interim #3
- Interim #4
- Interim #5
- Interim #6

IETF98

LPWAN@IETF99
Milestones

- LPWAN overview
  - Apr 2017: Interim #1
  - May 2017: Interim #2
  - Jun 2017: Interim #3
  - Jul 2017: Interim #4

- IP/UDP SCHC
  - May 2017: Interim #2

- CoAP SCHC
  - Jun 2017: Interim #3
  - Jul 2017: Interim #4

- WGLC

Design team

IETF98

IETF99

LPWAN@IETF99
YANG of THINGS (YoT)

Report
YoT

• IETF99 is the last without working YANG-based device/network management stack for IoT
• Use of YANG for data modeling + CoMI for constrained device/networks
  – Two distinct communities
  – Second meeting
• Interop and deployment – before IETF100 – ready for LPWAN