

# **IPv6 over Low power WPAN WG (6lowpan)**

Chairs:

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- **We assume people have read the drafts**
- **Meetings serve to advance difficult issues by making good use of face-to-face communications**
- **Be aware of the IPR principles, according to RFC 3979**

- ✓ Blue sheets
- ✓ Scribe(s)

# 71<sup>st</sup> IETF: 6lowpan WG Agenda

<b>09:00</b>	<b>Introduction, Agenda</b>	<b>Chairs (5)</b>
<b>09:05</b>	<b>Status, Rechartering</b>	<b>Chairs (10)</b>
<b>09:15</b>	<b>I-D Inventory</b>	<b>Chairs (15)</b>
<b>09:30</b>	<b>Current Status of ROLL</b>	<b>JPV (10)</b>
<b>09:40</b>	<b>Current I-D Updates</b>	
<b>09:40</b>	<b>Security Analysis</b>	<b>DP (20)</b>
<b>10:00</b>	<b>Routing Requirements</b>	<b>EK (10)</b>
<b>10:10</b>	<b>Application Profile</b>	<b>EK (10)</b>
<b>10:20</b>	<b>SP100 DLL Intro</b>	<b>GM (10)</b>
<b>10:30</b>	<b>RFC 4944 Maintenance</b>	<b>GM (15)</b>
<b>10:45</b>	<b>HC Updates</b>	<b>JH (20)</b>

# What is 6lowpan?

- **Interesting L2 network: IEEE 802.15.4**
  - Low power, 20..250 kbit/s, 900 and 2400 MHz
  - Almost, but not entirely, unlike 802
    - Small MTU, limited range
- **Job of 6lowpan: make this look like an IPv6 link**
  - Classical encapsulation issues → format document
  - Reachability: **mesh routing**
  - No **multicast**: emulate, avoid (e.g., ND)

# **Segment 1: Rechartering Status**

## **09:05–09:15**

**Chairs**

# Milestones (from WG charter page)

- Done draft-ietf-6lowpan-problem: WG last call
- Done draft-ietf-6lowpan-problem ⇒ IESG
  - RFC 4919 (Informational)
- Done draft-ietf-6lowpan-format: WG last call
- Done draft-ietf-6lowpan-format ⇒ IESG
  - RFC 4944 (Proposed Standard)
- Done...
- We are not chartered for work beyond this.

# Charter: Milestones

- 1a: "6LoWPAN Bootstrapping and 6LoWPAN IPv6 ND Optimizations" (Dec 2008)
- 2a: "Problem Statement for Stateful Header Compression in 6LoWPANs" (Apr 2008!)
- 3a: "6LoWPAN Architecture" (Sep 2008)
- 3b: "6LoWPAN Routing Requirements" (Sep 2008)
- 4a: "Use Cases for 6LoWPAN" (Jul 2008)
- 5a: "6LoWPAN Security Analysis" (Aug 2008)
- 6a: "6LoWPAN implementers guide" ( $\infty$ )
- 7a: "6LoWPAN interoperability guide" ( $\infty$ )

# Charter: Status

- **Was awaiting ROLL chartering**
- **Will be on IESG agenda now**
- **A word from the AD:**
  - *I understand that we need to get your recharter finished up and approved. No need to dwell on that today during your meeting time. Most important I believe is to **advance on your deliverables**, and ensure that the division of labor between **6lowpan** and the new roll WG is well understood by all.*
- **Let's just pretend we're rechartered**



# **Segment 2: I-D Inventory**

## **09:15–09:30**

**Chairs**

# **1a: "6LoWPAN Bootstrapping and 6LoWPAN IPv6 ND Optimizations" (Dec 2008)**

- **WD: draft-chakrabarti-6lowpan-ipv6-nd-04.txt**

# 2a: "Problem Statement for Stateful Header Compression in 6LoWPANs" (Apr 2008!)

- (none)
- Other related:
- **draft-hui-6lowpan-hc-00.txt**

## **3a: "6LoWPAN Architecture" (Sep 2008)**

- **Possible input:**
- **draft-culler-6lowpan-architecture-00.txt**
  
- **Possibly related:**
- **draft-daniel-lowpan-mib-00.txt**
- **draft-thubert-lowpan-backbone-router-00.txt**

# **3b: "6LoWPAN Routing Requirements" (Sep 2008)**

- **Targeted document:**
- **draft-dokaspar-6lowpan-routreq-04.txt**

## 4a. "Use Cases for 6LoWPAN" (Jul 2008)

- Targeted document (partial):
- **draft-ekim-6lowpan-scenarios-02.txt**

# 5a: "6LoWPAN Security Analysis" (Aug 2008)

- Targeted document:
- **draft-daniel-6lowpan-security-analysis-02.txt**
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# 6a: "6LoWPAN implementers guide" ( $\infty$ )

- (none)
- **Extension proposal:**
- **draft-thubert-lowpan-simple-fragment-recovery-00.txt**
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# 7a: "6LoWPAN interoperability guide" ( $\infty$ )

- **Possible input:**
- **draft-hui-6lowpan-interop-00.txt (exp)**
-

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