6MAN Working Group
IETF 86, Orlando

Bob Hinden
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Administrivia

- Minutes taker: Fernando Gont
- Etherpad: http://tools.ietf.org/wg/6man/minutes
- Jabber Scribe: <your name here>
- Please sign blue sheets
Agenda (1 of 3)

- Introduction, Agenda Bashing, Document Status, Chairs, 15 min.
- Charter Update, Chairs, 10 min.
- A method for Generating Stable Privacy-Enhanced Addresses with IPv6, Fernando Gont, 10 min.
  - draft-ietf-6man-stable-privacy-addresses
- The U and G bits in IPv6 Interface Identifiers, Sheng Jiang, 15 min.
  - draft-carpenter-6man-ug
- U/G Bits (Softwire Request), Chairs, 15 minutes.
- Transmission of IPv6 Extension Headers, Sheng Jiang, 15 min.
  - draft-carpenter-6man-ext-transmit
Agenda (2 of 3)

- Updates to the IPv6 Multicast Addressing Architecture, Stig Venaas, 15 min.
  - draft-boucadair-6man-multicast-addr-arch-update
- Transmission of IPv6 packets over ITU-T G.9959 Networks, Anders Brandt, 10 min.
  - draft-brandt-6man-lowpanz
Agenda / If time permits (3 of 3)

- Security Implications of IPv6 options of Type 10xxxxxxd, Fernando Gont, 5 min.
  - draft-gont-6man-ipv6-smurf-amplifier
- A Simple Secure Addressing Generation Scheme for IPv6 AutoConfiguration, Hosnieh Rafiee, 5 min.
  - draft-rafiee-6man-ssas-02
- 6LoWPAN Backbone Router, Pascal Thubert, 5 min.
  - draft-thubert-6lowpan-backbone-router
- DHCPv6/SLAAC Address Configuration Interaction Problem Statement, Bing Liu, 5 min.
  - draft-liu-bonica-dhcpv6-slaac-problem
## 6MAN Document Status

<table>
<thead>
<tr>
<th>Draft IETF</th>
<th>Title</th>
<th>Date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>draft-ietf-6man-add-select-opt-08</td>
<td>Distributing Address Selection Policy using DHCPv6</td>
<td>2013-01-15</td>
<td>AD Evaluation::External Party (for 3 days)</td>
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<tr>
<td>draft-ietf-6man-dad-proxy-06</td>
<td>Duplicate Address Detection Proxy</td>
<td>2013-02-25</td>
<td>IESG Evaluation::AD Followup (for 17 days)</td>
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<td>draft-ietf-6man-enhanced-dad-02</td>
<td>Enhanced Duplicate Address Detection</td>
<td>2013-02-05</td>
<td>I-D Exists</td>
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<td>draft-ietf-6man-impatient-nud-05</td>
<td>Neighbor Unreachability Detection is too impatient</td>
<td>2012-10-22</td>
<td>AD Evaluation::Revised ID Needed (for 2 days)</td>
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<tr>
<td>draft-ietf-6man-ipv6-atomic-fragments-03</td>
<td>Processing of IPv6 &quot;atomic&quot; fragments</td>
<td>2012-12-29</td>
<td>Approved-announcement to be sent::Point Raised - writeup needed (for 14 days)</td>
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<tr>
<td>draft-ietf-6man-nd-extension-headers-03</td>
<td>Security Implications of IPv6 Fragmentation with IPv6 Neighbor Discovery</td>
<td>2013-01-14</td>
<td>IESG Evaluation::Revised ID Needed (for 21 days)</td>
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<td>draft-ietf-6man-oversized-header-chain-02</td>
<td>Security and Interoperability Implications of Oversized IPv6 Header Chains</td>
<td>2012-11-05</td>
<td>I-D Exists</td>
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<td>draft-ietf-6man-resilient-rs-00</td>
<td>Packet loss resiliency for Router Solicitations</td>
<td>2012-11-06</td>
<td>I-D Exists</td>
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<td>draft-ietf-6man-stable-privacy-addresses-03</td>
<td>A method for Generating Stable Privacy-Enhanced Addresses with IPv6 Stateless Address Autoconfiguration (SLAAC)</td>
<td>2013-01-29</td>
<td>I-D Exists</td>
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<td>draft-ietf-6man-udpchecksums-08</td>
<td>IPv6 and UDP Checksums for Tunneled Packets</td>
<td>2013-02-21</td>
<td>RFC Ed Queue (for 3 days)</td>
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<td>draft-ietf-6man-udpzero-12</td>
<td>Applicability Statement for the use of IPv6 UDP Datagrams with Zero Checksums</td>
<td>2013-02-25</td>
<td>RFC Ed Queue (for 3 days)</td>
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</tbody>
</table>
The 6man working group is responsible for the maintenance, upkeep, and advancement of the IPv6 protocol specifications and addressing architecture. It is not chartered to develop major changes or additions to the IPv6 specifications. The working group will address protocol limitations/issues discovered during deployment and operation. It will also serve as a venue for discussing the proper location for working on IPv6-related issues within the IETF.

The working group's work items are as follows:

- Complete work on RA Flags Option
- Complete work on RH0 Deprecation
- Complete work on IPv6 over PPP Compression Negotiation
- Complete work on Centrally Allocated Unique Local Addresses (ULA-C)

All new work items not listed above require the approval of the working group and the sponsoring Area Director before they will be taken on by the working group.
Proposed 6MAN Charter

The 6man working group is responsible for the maintenance, upkeep, and advancement of the IPv6 protocol specifications and addressing architecture. It is not chartered to develop major changes or additions to the IPv6 specifications. The working group will address protocol limitations/issues discovered during deployment and operation. It will also serve as a venue for discussing the proper location for working on IPv6-related issues within the IETF.

The working group's work items are as follows:

- Resolve open issues with “U/G” bits in Interface Identifiers
- Develop approach for IPv6 Fragmentation
- Develop approach for IPv6 Extension Headers
- New IPv6 over <FOO> approaches

All new work items not listed above require the approval of the working group and the sponsoring Area Director before they will be taken on by the working group.
Possible Work Items

- Multiple Provisioning Domains
  - Richer information about external networks
  - <draft-korhonen-6man-prefix-properties>
- Improvements to ND for multi-homing
- Improving ND for Address Registration
  - Handling for low power/sleeping devices
  - <draft-thubert-6lowpan-backbone-router>
- Other?
Next Steps with Charter

- Comments from working group
- Discuss with Internet ADs
- Develop new milestones