

ROLL Working Group Meeting

IETF-82, Tapei, November 2011

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ROLL Working Group Meeting – IETF-82

Agenda/admin (Chairs - 5mn) [5]

1) WG Status (Chairs - 10 mn) [15]

**2) "Applicability Statement for the Routing Protocol for Low Power and Lossy Networks (RPL) in AMI Networks" - draft-popa-roll-applicability-ami-04
(Jorjeta - 10mn) [25]**

3) Update on P2P (Emmanuel - 15mn) [40]

*** Update on the RPL P2P Work**

*** Updated on draft-ietf-roll-p2p-measurement-02**

**4) "RPL applicability in industrial networks" - draft-phinney-roll-rpl-industrial-applicability-00
(Robert Assimiti - 10mn) [40]**

**5) "RPL adaptation for asymmetrical links" - draft-thubert-roll-asymlink-00
(Pascal - 10mn) [60]**

6) Discussion and status on the security work (Chair+Rene - 15mn) [75]

**7) Definition of Managed Objects for the IPv6 Routing Protocol for Low power and Lossy Networks(RPL)
draft-sehgal-roll-rpl-mib-01 (Juergen - 5mn) - NOT IN CHARTER - [80]**

8) DIS Modifications - draft-goyal-roll-dis-modifications-00(Dominique Barthel - 10mn) [90]

Charter Review and Milestones

- Update on various documents
 - draft-ietf-roll-rpl-19 => RFC Q awaiting 6man IDs
 - draft-ietf-roll-security-framework-06 => One Last DISCUSS
 - draft-ietf-roll-of0 => in RFC Editor Queue
 - draft-ietf-roll-minrank-hysteresis-of => Revised ID needed
 - draft-ietf-roll-p2p-rpl => Good progress - to be discussed in this meeting
 - Note that the two 6Man IDs (RPL option HbH header and RH4 passed WG Last Call) => Just passed IETF LC, 2 comments to be addressed soon
 - No New WG Document:
 - Several new revision of Applicability statement series: “Use of RPL in AMI Networks”

IETF WG ROLL status as of today

- Done Submit Routing requirements for Industrial applications to the IESG to be considered as an Informational RFC.
- Done Submit Routing requirements for Connected Home networks applications to the IESG to be considered as an Informational RFC.
- Done Submit Routing requirements for Building applications to the IESG to be considered as an Informational RFC.
- Done Submit Routing requirements for Urban networks applications to the IESG to be considered as an Informational RFC.
- Done Submit Security Framework to the IESG to be considered as an Informational RFC
- Done Submit Routing metrics for LLNs document to the IESG to be considered as a Proposed Standard.
- Done Submit first draft of ROLL routing protocol specification as Proposed Standard.
- Done Submit the ROLL routing protocol specification to the IESG as Proposed Standard.
- Jun 2011 Submit first draft of RPL applicability statement for Industrial applications to the IESG to be considered as an Informational RFC.
- Jun 2011 Submit first draft of RPL applicability statement for Building Automation applications to the IESG to be considered as an Informational RFC.
- Jul 2011 Submit first draft of RPL applicability statement for Home Automation applications to the IESG to be considered as an Informational RFC.
- Jul 2011 Submit first draft of RPL applicability statement for Urban applications to the IESG to be considered as an Informational RFC.
- Oct 2011 Submit RPL applicability statement for Industrial applications to the IESG to be considered as an Informational RFC.
- Oct 2011 Submit RPL applicability statement for Building Automation applications to the IESG to be considered as an Informational RFC.
- Nov 2011 Submit RPL applicability statement for Home Automation applications to the IESG to be considered as an Informational RFC.
- Nov 2011 Submit RPL applicability statement for urban applications to the IESG to be considered as an Informational RFC.
- Dec 2012 Evaluate WG progress, recharter or close.

Priorities

- Wrap up 6man IDs so RPL RFC can issue
- Complete Applicability statements
- Finish P2P work
- ... and continue to attend to experience, engineering, and science results derived from the implementation efforts