

8 November 2023

IETF 118 ROLL

Chairs: Dominique Barthel, Ines Robles

Secretary: Michael Richardson

This session is being recorded

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

Note Really Well

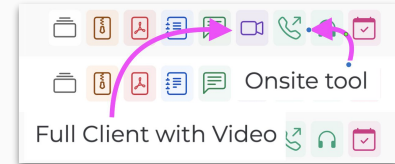
- IETF meetings, virtual meetings, and mailing lists are intended for professional collaboration and networking, as defined in the IETF Guidelines for Conduct (RFC 7154), the IETF Anti-Harassment Policy, and the IETF Anti-Harassment Procedures (RFC 7776). If you have any concerns about observed behavior, please talk to the Ombudsteam, who are available if you need confidentiality to raise concerns confident about harassment or other conduct in the IETF.
- The IETF strives to create and maintain an environment in which people of many different backgrounds and identities are treated with dignity, decency, and respect. Those who participate in the IETF are expected to behave according to professional standards and demonstrate appropriate workplace behavior.
- IETF participants must not engage in harassment while at IETF meetings, virtual meetings, social events, or on mailing lists. Harassment is unwelcome hostile or intimidating behavior—in particular, speech or behavior that is aggressive or intimidates.
- If you believe you have been harassed, notice that someone else is being harassed, or have any other concerns, you are encouraged to raise your concern in confidence with one of the Ombudspersons.

This session is being recorded

IETF 118 Meeting Tips

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*



Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session
- Use of a headset is strongly recommended

Resources for IETF 118 Prague

- IETF Agenda
<https://datatracker.ietf.org/meeting/agenda>
- Meetecho and other information:
<https://www.ietf.org/how/meetings/preparation>
- If you need technical assistance, see the Reporting Issues page:
<http://www.ietf.org/how/meetings/issues/>

Resources (cont.)

- **Remote Participation**

- Meetecho: <https://meetings.conf.meetecho.com/ietf118/?session=31755>
- Notes: <https://notes.ietf.org/notes-ietf-118-roll>
 - Minute takers: **Please volunteer, thank you :)**
- Zulip: <https://zulip.ietf.org/#narrow/stream/roll>
- **<https://datatracker.ietf.org/meeting/118/session/roll>**

ROLL Agenda

Time (CET)	Duration	Draft/Topic	Presenter
13:00 - 13:15	15 min	WG Introduction	Ines/Dominique
13:15 - 13:25	10 min	Status: draft-ietf-roll-rnfd-02	Chairs/Authors
13:25 - 13:35	10 min	Status: draft-ietf-roll-mopex-07	Chairs/Authors
13:35 - 13:45	10 min	Status: draft-ietf-roll-enrollment-priority-09	Chairs/Authors
13:45 - 13:55	10 min	Status: draft-ietf-roll-nsa-extension-11	Chairs/Authors
13:55 - 14:00	5 min	Open Floor	Everyone

Draft status

Supporting Asymmetric Links in Low Power Networks: AODV-RPL draft-ietf-roll-aodv-rpl-18	Submitted to the IESG for publication Aug 17th
Root initiated routing state in RPL draft-ietf-roll-dao-projection-33	Submitted to the IESG for publication Aug 3rd Rtg Dir issues addressed
Common Ancestor Objective Function and Parent Set DAG Metric Container Extension draft-ietf-roll-nsa-extension-11	Expired, expect -12 soon with Open Issues addressed
Controlling Secure Network Enrollment in RPL Networks draft-ietf-roll-enrollment-priority-09	Addressing Open Issues
Mode of Operation extension draft-ietf-roll-mopex-07	Addressing Open Issues
RNFD: Fast border router crash detection in RPL draft-ietf-roll-rnfd-02	work in progress, reviewers required
RPL Capabilities draft-ietf-roll-capabilities-09	waiting for attention
RPL Storing Root-ACK draft-jadhav-roll-storing-rootack-03	waiting for attention

Milestones

Search








Date  Milestone 

Nov 2023	Initial submission of a proposal for Source-Route Multicast for RPL to the IESG	-> drop?
Nov 2023	Initial submission of a YANG model for MPL to the IESG	-> drop?
Nov 2023	Initial submission of Fast Border Router Crash Detection in RPL to the IESG	-> march 2024?
Nov 2023	Recharter WG or close	-> dec 2024?
Nov 2023	Initial submission of a proposal to augment DIS flags and options to the IESG	-> nov 2024?
Jun 2023	Initial submission of Capabilities for RPL to the IESG	-> june 2024?
Nov 2022	Initial submission of Mode of Operation extension for RPL to the IESG	-> feb 2024?
Sep 2022	Initial submission of Controlling Secure Network Enrollment in RPL networks draft to the IESG	-> jan 2024?

Done milestones

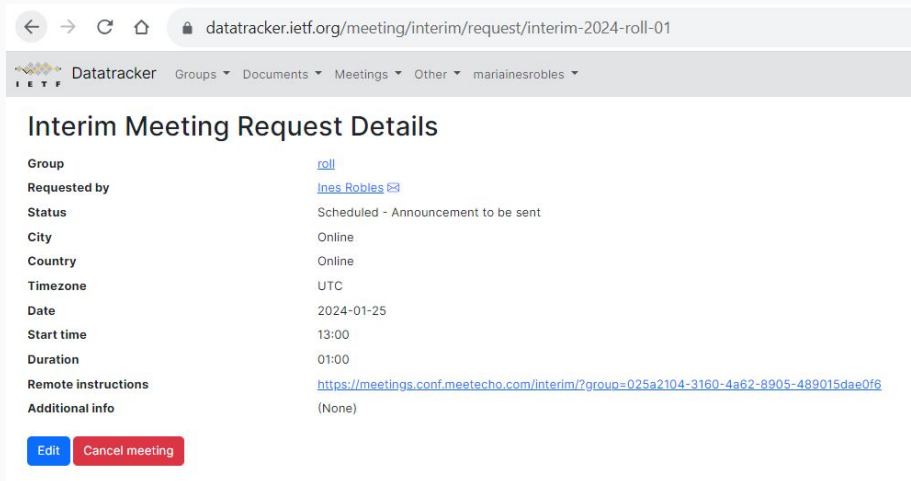
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Date  Milestone 


	Initial submission of a root initiated routing state in RPL to the IESG	-> Done
	Initial Submission of a proposal with uses cases for RPI, RH3 and IPv6-in-IPv6 encapsulation to the IESG	
	Initial submission of a reactive P2P route discovery mechanism based on AODV-RPL protocol to the IESG	
	Initial submission to the IESG of mechanism to turn on RFC8138 compression feature within a RPL network	
	Initial submission of routing for RPL Leaves draft to the IESG	
	Initial submission of Common Ancestor Objective Functions and Parent Set DAG Metric Container Extension to the IESG	
	Initial submission of a solution to the problems due to the use of No-Path DAO Messages to the IESG	

REGULAR Meetings

- Regular Interim Meetings: every two months
 - Next Interim Meeting: 25th January 2024, 1pm UTC
 - Added the screenshot of the scheduled session
 - Session at IETF119 meeting in Brisbane? or after Brisbane?



The screenshot shows a web browser window with the URL `datatracker.ietf.org/meeting/interim/request/interim-2024-roll-01`. The page title is "Interim Meeting Request Details". The content is as follows:

Group	roll
Requested by	Ines Robles 
Status	Scheduled - Announcement to be sent
City	Online
Country	Online
Timezone	UTC
Date	2024-01-25
Start time	13:00
Duration	01:00
Remote instructions	https://meetings.conf.meetecho.com/interim?group=025a2104-3160-4a62-8905-489015dae0f6
Additional info	(None)

At the bottom of the page, there are two buttons: "Edit" (blue) and "Cancel meeting" (red).

RNFD

Fast border router crash detection in RPL -
having nodes collaboratively monitoring the status of the root.

- Work in Progress
 - draft -02 published Sep 18th 2023
 - Reviewers:
 - S.V.R. Anand, Many thanks!
 - Carles Gomez, Many thanks!
 - Volunteers?
 - Requested Routing and Security Directorate Reviews.
- Next Steps after Reviews:
 - chairs to issue WGLC
 - shepherd to publish write-up
 - Additional Comments/Suggestions?

MOPEX

Mode of Operation extension

- Work in Progress:
 - Open Issues: <https://github.com/roll-wg/mopex/issues>
 - Rahul is addressing comments from Alvaro, to be continued
 - From last Interim meeting, new issue: # 12
- Next Steps, when new version is ready:
 - chairs to ask for WG Internal Review: at least 2 reviews
 - chairs to ask for Routing and Security Directorate Reviews
 - chairs to issue WGLC
 - shepherd to publish write-up
 - Additional Comments/Suggestions?

Enrollment-priority

Controlling Secure Network Enrollment in RPL Networks

<https://github.com/roll-wg/draft-ietf-roll-enrollment-priority/issue>

Ticket #	Description	Status
4	Enrollment priority option name	In Progress
5	Explain how new option values are related to DODAGVersionNumber	In Progress
7	-05 Section 3.1, questions	In Progress
10	Should priority have more than 1 bit: join disabled/enabled?	In Progress
11	What EB and priority, if any should a node with no feasible parent emit?	In Progress
12	should root explicitly reset trickle timer?	Comments added into the ticket - ticket addressed?
13	add explicit lollipop counter into enrollment priority option	Comments added into the ticket - ticket addressed?
17	change DODAG size to 1 byte	In Progress

Enrollment-priority

Controlling Secure Network Enrollment in RPL Networks

Next Steps:

- updates to be published in next version
- authors to resolve current GitHub issues
- assign two internal reviewers
- chairs to ask for Routing and Sec Dir reviews
- chairs to call WGLC
- shepherd to publish write-up
- Comments/Suggestions?

NSA-extension Common Ancestor Objective Function and Parent Set DAG Metric Container Extension

- -11 had expired, -12 published today
- Security Dir Review (thanks Carl Wallace!): Status -> Ready
- Routing Dir Review (thanks Alvaro!): Has Issues
 - 4 issues reported, need to be addressed
- IANA review (thanks Amanda Baber) : 2 issues to be addressed
- Ticket #28: <https://github.com/roll-wg/draft-ietf-roll-nsa-extension/issues/28>
 - Aris'es proposal "If a candidate neighbor does not fulfill the CA requirement then the path through that neighbor MUST be set to MAX_PATH_COST."
 - Discuss: "As a result, the node MUST NOT select the candidate neighbor as its AP."

NSA-extension

Common Ancestor Objective Function and Parent Set DAG Metric Container Extension

- Next Steps:
 - authors to address issues
 - shepherd to update write-up
 - chairs to issue new WGLC
 - based on the call results, chairs to submit to the IESG
 - Additional comments?

Open Floor

- Additional Comments or Questions?