

# Application-aware Networking **I E T F**<sup>®</sup> (APN) BoF Meeting at IETF-111

## Chairs

Bob Hinden ([bob.hinden@gmail.com](mailto:bob.hinden@gmail.com))

Daniel Voyer ([daniel.voyer@bell.ca](mailto:daniel.voyer@bell.ca))

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## AD

Martin Vigoureux ([martin.vigoureux@nokia.com](mailto:martin.vigoureux@nokia.com))

# Note well

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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)

More information at <https://www.ietf.org/about/note-well/>

# Administrivia

This meeting is being recorded!

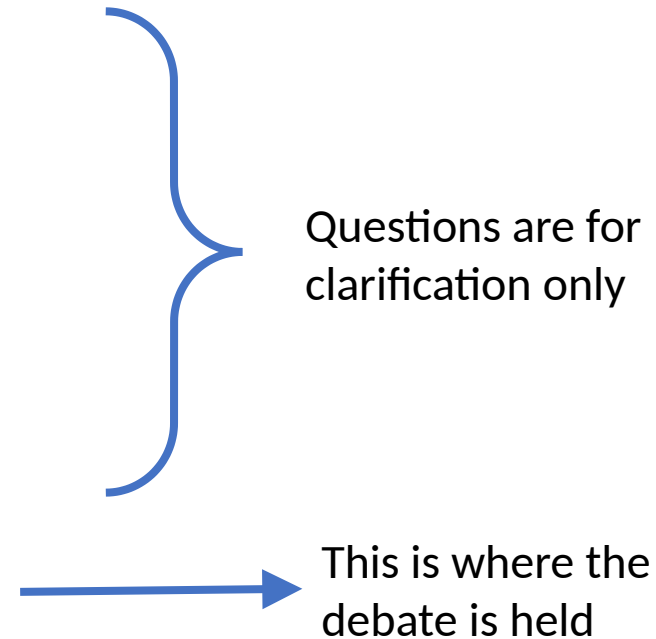
- Meetecho: <https://meetings.conf.meetecho.com/ietf111/?group=apn&short=&item=1>
- Minutes
  - Etherpad: <https://codimd.ietf.org/notes-ietf-111-apn>
  - Minutes takers: Linda Dunbar, Carsten Bormann
  - Please contribute
- Jabber
  - <xmpp:apn@jabber.ietf.org?join>
- Presentations: <https://datatracker.ietf.org/meeting/111/materials.html>
- Blue sheets
  - Automatically collected by Meetecho

# Useful Info

- Overview
  - <https://datatracker.ietf.org/group/apn/about/>
- Related drafts
  - <https://datatracker.ietf.org/group/apn/documents/>
- Mailing list
  - Subscribe : <https://www.ietf.org/mailman/listinfo/apn>
  - Archive : <https://mailarchive.ietf.org/arch/browse/apn/>
- Community archive of previous side meetings
  - <https://github.com/APN-Community>

# Agenda

0. Administrivia (Chairs)  
5 mins (5/120)
1. Aims and intentions of the BoF (AD - Martin)  
5 mins (10/120)
2. What's in a name? Clarification of "APN" (Chairs)  
3 mins (13/120)
3. Questions to have in your mind during the BoF (Chairs)  
2 mins (15/120)
4. Introduction to APN (Robin Zhenbin Li)  
10 mins + 5 mins questions for clarification (30/120)
5. Use cases (Luis Contreras)  
15 mins + 5 mins questions for clarification (50/120)
6. Why are existing mechanisms not enough? (Gyan Mishra)  
5 mins + 10 mins questions for clarification (65/120)
7. What is contained in an APN Attribute and why? (Chongfeng Xie)  
10 mins + 5 mins questions for clarification (80/120)
8. Work items to be covered (Shuping Peng)  
5 mins + 5 mins questions for clarification (90/120)
9. Return to the Questions and open discussion (Chairs)  
25 mins (115/120)
10. Wrap-up (Chairs/AD)  
5 mins (120/120)



# Aims and Intentions of this BoF

The AD will speak

# The Name “APN”

- Application-aware Networking (APN)
  - There is a long history of using that name
    - “APN6” was mentioned in an I-D in September 2019 and then presented in 6MAN
  - The function and meaning of the term has evolved considerably since then
- Don’t get hung up on the name
  - The function may have out-grown the name
  - Please listen to the presentations
    - Draw your understanding of the work from the technical details not from the name

# Questions to Have in Mind

You don't have to answer these questions, but please think about them for the discussion at the end of the meeting.

- a. What are the key work items/deliverables?
- b. What are the key things to exclude?
- c. Do you think APN would be harmful in any way?
- d. Is the benefit of APN worth the cost of development and deployment?
- e. Would it be IETF work?
- f. Does it merit a new working group or distribution across existing WGs?



# Summary and Next Steps

- Chairs
  - What we heard
- AD
  - What he heard
  - What are the next steps