



Coding for efficient NetWork Communications Research Group (NWCRG)

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Welcome!

- Our goal:

Foster research in network and application layer coding to improve network performance

- Codes and coding libraries
- Protocols to facilitate the use of coding in existing systems
- Real-world use cases and work in progress

Note Well (IRTF)

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. The IRTF follows the IETF's policies.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to the RG Chairs or IRTF Chair:

- 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)



Administrivia

- **Charter and documents**

- <https://datatracker.ietf.org/group/nwcrp/charter/>

- **Github**

- <https://github.com/irtf-nwcrp/rg-materials>

- **Mailing list**

- subscription: <https://www.irtf.org/mailman/listinfo/nwcrp>

- **Today's slides**

Github repository or IETF datatracker:

- <https://datatracker.ietf.org/meeting/105/session/nwcrp/>

- **Remote participation**

- Meetecho: <http://www.meetecho.com/ietf105/nwcrp>

- about...

<http://ietf.org/how/meetings/105/remote/>

Agenda (1)

00- Welcome, administrative and general matters
(Chairs) (10')

01- Hackathon feedback: Sliding Window FEC (SWiF) Codec
(Vincent Roca) (5+5')

02- "Quick status on Network coding and satellites I-D"
(Nicolas Kuhn) (15+5')
(draft-irtf-nwcrp-network-coding-satellites)

03- "Update of the Coding for QUIC document"
(Vincent Roca) (10+5)
(draft-swett-nwcrp-coding-for-quic)

04- "Coding for QUIC Reference Implementation"
(François Michel - remote) (5+5)

05- "Another FEC for QUIC Implementation"
(Mihail Zverev, Ikerlan - remote) (10+5)

Agenda (2)

06- "Links with other Groups and Initiatives (COINRG,
ICNRG, LOOPS)"
(Marie-Jose Montpetit) (10+5)

Our I-D news

- "NC for CCN/NDN: Requirements and Challenges"
 - @ietf104: "Got some more comments, plan to address them, respin the draft, then try to get RG last call."
 - DaveO (ICNRG hat): "Give ICNRG a chance to review the next version, then we'll have advice about readiness for NWCRG Last Call."
- "RLNC-based symbol representation"
 - slight update
- "BATS Coding Scheme for Multi-hop Data Transport"
 - major update, no discussion on list
- @TSVWG: FECFRAME-extension + RLC + TinyMT32 PRNG
 - in RFC Editor Queue 😊

Future meeting

- Hackathon will be held during IETF106
- NWCRG will meet during IETF 106, Singapore