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.

As a reminder:

- By participating in the IRTF, you agree to follow IETF processes and policies.
- If you are aware that any IETF or IRTF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IRTF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IRTF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

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)
**Administrivia**

- **Charter and documents**
  - [https://datatracker.ietf.org/group/nwcrg/charter/](https://datatracker.ietf.org/group/nwcrg/charter/)

- **Github**
  - [https://github.com/irtf-nwcrg/rg-materials](https://github.com/irtf-nwcrg/rg-materials)

- **Mailing list**
  - subscription: [https://www.irtf.org/mailman/listinfo/nwcrg](https://www.irtf.org/mailman/listinfo/nwcrg)

- **Today’s slides**
  Github repository or IETF datatracker:
  - [https://datatracker.ietf.org/meeting/104/session/nwcrg/](https://datatracker.ietf.org/meeting/104/session/nwcrg/)

- **Remote participation**
  - about...
  - [http://ietf.org/how/meetings/104/remote/](http://ietf.org/how/meetings/104/remote/)
Agenda (1)

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

01- Hackathon feedback
   (Vincent Roca) (5+5’)
   Sliding Window FEC codec project (SWiF Codec).
   draft-roca-nwcrг-generic-fec-api

02- "Quick status on Network coding and satellites I-D"
   (Nicolas Kuhn) (5+5’)
   (draft-irtф-nwcrг-network-coding-satellites)

03- "Quick status on Network Coding for CCN/NDN: Req.
    and Challenges"
   (authors) (5+5’)
   (draft-irtф-nwcrг-nwc-ccn-reqs)

04- "RLNC Background and Practical Considerations / RLNC
    Based Symbol Representation"
   (Kerim Fouli and Muriel Medard, remote) (10+5)
   (draft-heide-nwcrг-rlnc-background
    draft-heide-nwcrг-rlnc)
Agenda (2)

05- "Adding Forward Erasure Correction to QUIC"
(François Michel) (15+5)

06- "Coding for low latency"
(Morten V. Pedersen) (10+5)

07- "About RLC/TinyMT32 standardisation at TSVWG: a quick feedback"
(Vincent Roca) (5+5)
Future meeting

- Hackathon will be held during IETF105
- NWCRG will meet during IETF 105, Montreal