

# IETF 119

# Information-Centric Networking Research Group

20 March 2024

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# Note Well

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# IETF 116 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
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## 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

# Goals of the IRTF



- The Internet Research Task Force (IRTF) focuses on longer term research issues related to the Internet while the parallel organisation, the IETF, focuses on shorter term issues of engineering and standards making
- **The IRTF conducts research; it is not a standards development organisation**
- While the IRTF can publish informational or experimental documents in the RFC series, its primary goal is to promote development of research collaboration and teamwork in exploring research issues related to Internet protocols, applications, architecture, and technology
- See “An IRTF Primer for IETF Participants” – [RFC 7418](#)

# ICNRG Administrativa

- IRTF RG on Information-Centric Networking
- Mailing list: [icnrg@irtf.org](mailto:icnrg@irtf.org)
- Web: <https://irtf.org/icnrg>
- Chairs
  - Dirk Kutscher – HKUST(GZ)
  - Dave Oran – Network Systems Research Design
- This meeting
  - **Note taker:**

# Agenda

1	CNRG Chairs' Presentation: Status, Updates	Chairs	05 min
2	Secure Web Objects and Transactions	Dirk Kutscher	20 min
3	Transaction Manifests	Marc Mosko	20 min
4	Vanadium: Secure, Distributed Applications	Marc Mosko	20 min
5	Global vs. Scopes Namespaces	Marc Mosko	20 min
6	Buffer & Wrap Up	Chairs	5 min

# Status: NEW RFCS!



<a href="#">RFC 9507</a> <b>Information-Centric Networking (ICN) Traceroute Protocol Specification</b>	17 pages	2024-03	Experimental RFC <b>New</b>
<a href="#">RFC 9508</a> <b>Information-Centric Networking (ICN) Ping Protocol Specification</b>	18 pages	2024-03	Experimental RFC <b>New</b>
<a href="#">RFC 9531</a> <b>Path Steering in Content-Centric Networking (CCNx) and Named Data Networking (NDN)</b>	19 pages	2024-03	Experimental RFC <b>New</b>
<a href="#">RFC 9510</a> <b>Alternative Delta Time Encoding for Content-Centric Networking (CCNx) Using Compact Floating-Point Arithmetic</b>	11 pages	2024-02	Experimental RFC

# Status: Active Drafts

## Active Internet-Draft (1 hit)

<a href="#">draft-irtf-icnrg-flic-05</a> <b>File-Like ICN Collections (FLIC)</b>	41 pages 2023-10-22 I-D Exists Active RG Document : Experimental
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## Related Internet-Drafts and RFCs (3 hits)

<a href="#">draft-oran-icnrg-flowbalance-10</a> <b>Maintaining CCNx or NDN flow balance with highly variable data object sizes</b>	16 pages 2023-10-23 I-D Exists
<a href="#">draft-li-icnrg-damc-02</a> <b>Distributed architecture for microservices communication based on Information-Centric Networking (ICN)</b>	20 pages 2023-10-17 I-D Exists
<a href="#">draft-oran-icnrg-reflexive-forwarding-06</a> <b>Reflexive Forwarding for CCNx and NDN Protocols</b>	45 pages 2023-09-26 I-D Exists <b>Expires soon</b>

# Presentations

# Future Events

- IEEE ICNP 2024
  - Soliciting ICN submissions
  - CCF B class conference (for China)
  - October 28–31, Charleroi, Belgium
  - Submission deadline: May 24
- Future ICNRG meetings – options:
  - do an interim around June after the ICNP paper deadline
  - meet in person in Vancouver
  - chill and see how participation runs on the mailing list



## IEEE ICNP 2024

The 32nd IEEE **International Conference on Network Protocols**  
Charleroi, Belgium, October 28-31, 2024 [Follow @IEEE\\_ICNP](#) 

