

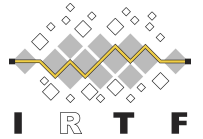
ICNRG Online Meeting

**Information-Centric Networking Research Group
Post-IETF-112
Friday, December 10th, 2021**

Chairs' Slides

Dirk Kutscher

Dave Oran



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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 Administrivia

- IRTF RG on Information-Centric Networking
- Mailing list: icnrg@irtf.org
- Web: <https://irtf.org/icnrg>
- Wiki: <https://trac.tools.ietf.org/group/irtf/trac/wiki/icnrg>
- Github: <https://github.com/icnrg>
- Chairs
 - Dirk Kutscher (University of Emden)
 - Dave Oran (Network Systems Research & Design)
- This meeting
 - <https://datatracker.ietf.org/meeting/interim-2021-icnrg-01/session/icnrg>
 - <https://notes.ietf.org/icnrg-interim-2021-12-10>
 - **Note taker: Ken Calvert – Thanks!**

Agenda

1	Chairs' Presentation: Status, Updates	Chairs	05 min
2	Zenoh - The Edge Data Fabric	Carlos Guimarães	30 min
3	The SPAN Network Architecture	Rhett Sampson	30 min
4	NDNs API Design	Junxiao Shi	30 min
5	Discussion and Other Business	Chairs, All	25 min

New RFCs!

RFC 9138 (was draft-irtf-icnrg-nrs-requirements) Design Considerations for Name Resolution Service in Information-Centric Networking (ICN)	2021-12 17 pages	New	Informational RFC
RFC 9139 (was draft-irtf-icnrg-icnlowpan) Information-Centric Networking (ICN) Adaptation to Low-Power Wireless Personal Area Networks (LoWPANs)	2021-11 42 pages	New	Experimental RFC



Active RG Drafts

Active Internet-Drafts (6 hits)

draft-irtf-icnrg-ccninfo-08 CCNinfo: Discovering Content and Network Information in Content-Centric Networks	2021-07-27 37 pages	I-D Exists Active RG Document:Experimental
draft-irtf-icnrg-flic-03 File-Like ICN Collections (FLIC)	2021-11-07 38 pages	I-D Exists Active RG Document:Experimental
draft-irtf-icnrg-icn-lte-4g-10 Experimental Scenarios of ICN Integration in 4G Mobile Networks	2021-07-30 43 pages	I-D Exists Awaiting IRSG Reviews:Informational
draft-irtf-icnrg-icnping-03 ICN Ping Protocol Specification	2021-10-25 20 pages	I-D Exists Active RG Document:Experimental
draft-irtf-icnrg-icntraceroute-03 ICN Traceroute Protocol Specification	2021-10-25 19 pages	I-D Exists Active RG Document:Experimental
draft-irtf-icnrg-nrsarch-considerations-06 Architectural Considerations of ICN using Name Resolution Service	2021-02-12 13 pages	I-D Exists::Revised I-D Needed In IRSG Poll:Informational

Next Steps

- **Completed and in RFC publishing pipeline**
 - nsarch-considerations
 - Lte-4g
- **Completed RG last call**
 - ccninfo: minor updates: ready for IRSG review
- **Important in-progress adopted work**
 - FLIC: thorough review needed
 - Traceroute & Ping: ready for last call
- **Review and consideration for adoption**
 - path steering
 - reflexive forwarding
 - TimeTLV

Potential New Work

- IoT
 - ICN & LoRa
- Application Support
 - Synchronisation, APIs
- Distributed Computing Support
 - ICN as enabler for Computing in the Network
- QoS
 - Do we want to push this forward starting from the work in RFC 9064?

Presentations

Wrap-up

- **Next meeting**
 - IETF-113 if in-person/hybrid
 - Else: Online interim meeting before or after IETF-113
- **ACM ICN-2022 in Osaka!**
 - Expect CfP and other info soon
- **Stay safe, everyone! We're getting to the end of the slog, hopefully!**

