

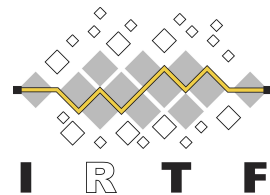
IETF 116

Quantum Internet Research Group

27 March 2023

This session is being recorded

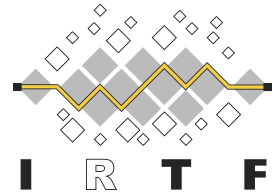
IETF 116
Yokohama



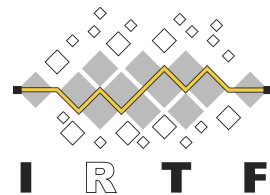
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- The IRTF follows the IETF Intellectual Property Rights (IPR) disclosure rules.
- By participating in the IRTF, you agree to follow IRTF processes and policies:
 - If you are aware that any IRTF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion
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Note Well – Audio and Video Recordings

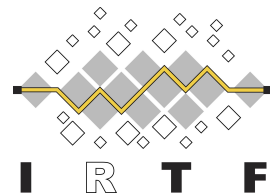


- The IRTF routinely makes recordings of online and in-person meetings, including audio, video and photographs, and publishes those recordings online
- If you participate in person and choose not to wear a red “do-not-photograph” lanyard, then you consent to appear in such recordings, and if you speak at a microphone, appear on a panel, or carry out an official duty as a member of IRTF leadership then you consent to appearing in recordings of you at that time
- If you participate online, and turn on your camera and/or microphone, then you consent to appear in such recordings



Note Well – Privacy & Code of Conduct

- 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 Privacy Policy at <https://www.ietf.org/privacy-policy/>
- 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
- See [RFC 7154](#) (Code of Conduct) and [RFC 7776](#) (Anti-Harassment Procedures), which also apply to IRTF



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](#)

IETF 116 Meeting Tips

This session is being recorded

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “onsite tool” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*



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

Quantum Internet Research Group

QIRG

@IETF116 Yokohama

27 March 2023

Chair slides

Rodney Van Meter

Wojciech Kozlowski

Agenda

- Administrivia + RG Status + hybrid meeting issues (5 min)
- Testbed networks around the world (50 min):
 - QDNL testbeds
 - Jesse Robbers
 - Design and Implementation of the Illinois Express Quantum Metropolitan Area Network
 - Joaquin Chung
 - Quantum Internet Task Force (Japan)
 - Shota Nagayama
- draft-irtf-qirg-quantum-internet-use-cases (10 min)
 - Melchior Aelmans
- Experimental demonstration of entanglement delivery using a quantum network stack (20 min)
 - Carlo Delle Donne
- Book announcement (5 min)
 - Rod Van Meter

Document Status

- draft-irtf-qirg-principles is now published as **RFC 9340**.
- draft-irtf-qirg-quantum-internet-use-cases
 - Active, will be discussed today