Note Well – Intellectual Property

- 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.
  - The IRTF expects that you file such IPR disclosures in a timely manner – in a period measured in days or weeks, not months.
  - The IRTF prefers that the most liberal licensing terms possible are made available for IRTF Stream documents – see RFC 5743.
  - Definitive information is in RFC 5378 (Copyright) and RFC 8179 (Patents, Participation), substituting IRTF for IETF, and at https://irtf.org/policies/ipr.
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/](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/](https://www.ietf.org/contact/ombudsteam/)) if you have questions or concerns about this.

- See [RFC 7154](https://www.ietf.org/rfc/rfc7154.txt) (Code of Conduct) and [RFC 7776](https://www.ietf.org/rfc/rfc7776.txt) (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.
Quantum Internet Research Group
QIRG
@IETF108 Online
27 July 2020

Chair slides

Rodney Van Meter
Wojciech Kozlowski
Agenda

- Administrivia + RG Status + IAB review summary (10 min)
- Attacking the Quantum Internet (20 minutes)
  Takahiko Satoh
- draft-irtf-qirg-quantum-internet-use-cases (15 min)
  Chonggang Wang
- draft-irtf-qirg-principles (20 min)
  Wojciech Kozlowski
- Open Floor (30 min)
Updated Charter

● New charter available on datatracker since 16 May 2020
● Minor update for readability and accessibility
IAB Review

● Virtual review held on 13 May 2020
● The goal of this review is to give a status update to the IAB, and for them to give feedback and guidance on the direction the work is taking
● We will continue doing what we have been doing so far
● Some challenges to address on the way:
  ○ Group composition – the hope is that the currently separate groups of networking and physics experts become a group of quantum network experts and that the QIRG can foster new research collaborations
  ○ Lack of hands-on examples – hardware is limited to a few experimental groups in the near-future