

Quantum Internet Research Group
QIRG
@IETF106 SIN

chair's slides

Rod Van Meter

(Stephanie Wehner, in absentia)

Administrivia: Meeting

- QIRG meeting
- Date: Tuesday, Nov 19, 2019
- Time: 17:10-18:40
- Location: Stamford Hotel, Singapore (IETF Venue)
- Room: Hullet

History/Status/Plans

- Idea originated by Stephanie in January 2018
- rdv presented remotely at irtfopen Mar. 2018
- mailing list opened Mar. 2018; low to moderate traffic
- Approved as Proposed RG on 2018/11/6
- tentative proposal is (was) to meet
 - 1x/year @IRTF
 - 1x/year @quantum conference (not achieved so far)
 - 1x/year virtual/online

History/Status/Plans 2

- F2F:
 - 103/BKK
 - 104/PRG (meeting and 2-hour tutorial)
 - 106/SIN
- online:
 - 2019-09-30
 - 2019-10-14
 - 2019-10-28
 - 2019-11-11

Agenda (1)

0. Administrivia (1 minute)

- Blue Sheets
- Note Taker
- Jabber Scribe
- Agenda Bashing

1. RG Status - Chairs (4 minutes)

2. RG Documents

- draft-irtf-qirg-principles-02, Wojciech Kozlowski, 20 min.
- draft-dahlberg-ll-quantum-o3, Axel Dahlberg (remote), 10 min.
- draft-van-meter-qirg-quantum-connection-setup-01,
Rod Van Meter, 15 min.

3. RG Other Business

- QKD in SSL, Wojciech Kozlowski, 10 min.
- Open Mic, 20 min.

Agenda (2)

Possible Open Mic topics:

- moving from “proposed RG” to “RG” (Vancouver?)
- Suggestions for next meeting date (Vancouver?)
- how to push docs to RFC
- which docs to push to RFC
- when to push docs to RFC (after becoming full RG)
- DoS attacks and integration of Quantum Internet services into the Internet (rdv, Bruno, Diego on ML, 191118)
- what tasks to take on next
 - Diego suggested QKD architecture, 190904
 - Naming and addressing (Axel, Michele, Dino, Mar. 29~)
 - routing (Babel? qOSPF? other?)
 - quantum-resistant crypto (PKI)?
 - security (Massimiliano Pala, 190327)