Applications and Use Cases for the Quantum Internet

https://www.ietf.org/id/draft-irtf-qirg-quantum-internet-use-cases-03.txt

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Background of Present I-D v03

• (May 24) v00 was uploaded as RG document.
• (Jul 10) v01 was generated and presented in IETF 108.
• (Sept 18) v02 was generated to address the comments on v01 received from IETF 108. v02 has been shared for comments through the email reflector.
• (Oct 29) v03 made some updates based on the email discussions and feedback from Patrick Gelard and Wojciech Kozlowski on v02.
Major Updates since IETF 108 (in v03)

• Reorganize “6. General Requirements” into two parts: “6.1. Background” and “6.2. Requirements”.
  – Added a new management-related requirement to “6.2. Requirements”

• Added two paragraphs in “9. Security Consideration” to discuss “privacy”.

• Replaced “quantum subnetwork” to “quantum network”

• Some editorial changes throughout the document to increase readability.
Next Steps

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• v02 has been reviewed and discussed through the email reflector. Comments and feedback on v02 have been addressed in v03.
• v03 is relatively stable now.
• Do Chairs think that the draft v03 is ready for RG Last Call?