Fraunhofer-Institut für Kommunikation, Informationsverarbeitung und Ergonomie FKIE

More Metrics for RFC 8175 (DLEP)

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What has been published?

- Physical Layer based metric drafts

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What has been published?

- Physical Layer based metric drafts
  - Draft-rogge-manet-dlep-radio-band-02
  - Draft-rogge-manet-dlep-channel-utilization-00
  - Draft-rogge-manet-dlep-radio-quality-00

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Radio band

- Reports the used frequency resources

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Radio band

- Reports the used frequency resources
  - Spectral efficiency
  - Check against existing troubles
  - Potential on-the-fly reconfiguration (Cognitive Radio)

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Channel utilization

- Reports detected channel usage over time

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Channel utilization

- Reports detected channel usage over time
  - Estimates about existing capacity

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Radio quality

- Reports the quality of the communication
  - Fine-grained quality estimation
  - Detection of disruption by other devices

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What's next?

- MAC layer based metric drafts
  - Mostly statistics
- Radio capabilities
  - E.g. multicast capability
  - IP support?
  - Service discovery

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Why not earlier?

- Implementation trouble

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Questions?

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