

SILK Speech/Audio Codec

draft-vos-silk-00.txt

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SILK Features

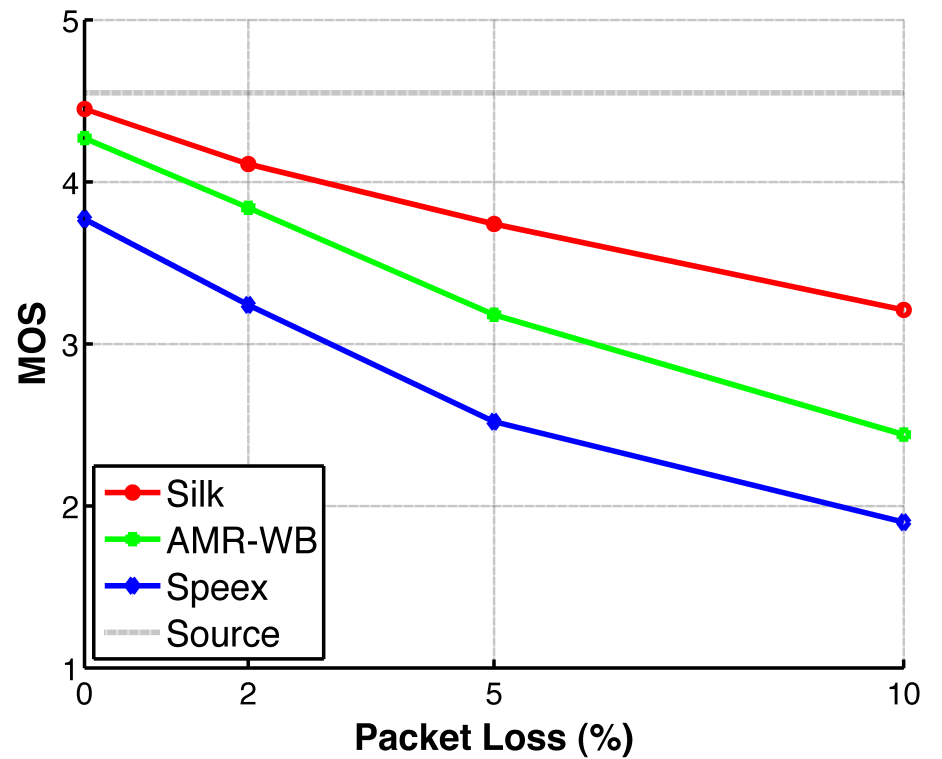
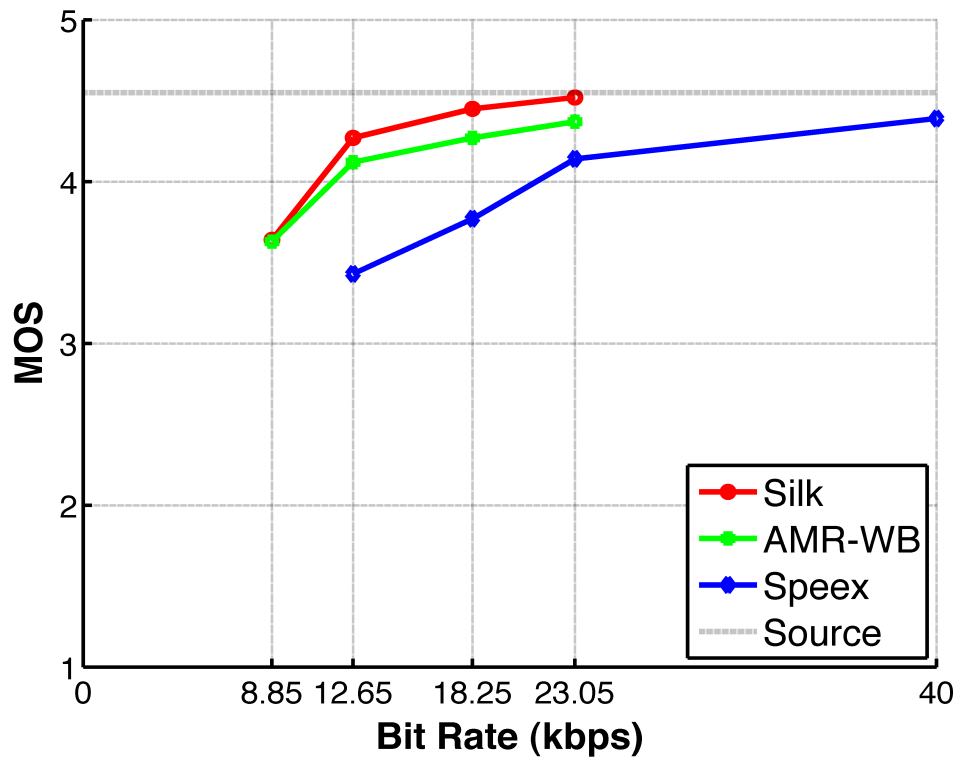
- Sampling rates from 8 to 24 kHz
- Algorithmic delay of 25 ms
- Variable and adaptive bitrate, from 6 to 40 kbit/s
- Scalable packet loss robustness
- Scalable complexity
- Made available royalty free

Technology

- Linear Prediction + Pitch Prediction
- Noise Shaping Quantization
- Pyramid Vector Quantization
- Range Coding

Quality

- Dynastat MOS test (32 subjects)



Conclusion

- SILK is a flexible codec designed for real-time communications
- Complementary to CELT
- Resources: <https://developer.skype.com/silk>