

Codec Development Status

Introduction

- Main focus on SILK and CELT individual components
- Overall quality improvements
- Getting closer to freezing the bit-stream

SILK Update

- Footprint reduction
- Complexity reduction
- Quality tuning
- Improved Opus integration
- Bug fixes

SILK TODO List

- Shrinking more tables
- CBR-like mode
- In-band FEC work

CELT Update

- Transient handling implements/simplifications
- Bit allocation tuning
- Dynamic bit allocation
- Implementation of Raymond Chen's post-filter
- PLC improvements
- Bug fixes

CELT TODO List

- Coarse energy quantization improvements
- Bit allocation tuning
- Post-filter tuning

Roadmap and Outstanding Issues

- Code sharing between SILK and CELT
- Decisions on
 - 10 ms hybrid mode
 - Stereo SILK
 - Hybrid cutoff frequency
 - Stereo-mono switching
- Make sure fixed-point works
- Target for code completion: end 2010
 - Frozen bit-stream for next meeting (unfreeze if needed)