Weekly Project Status Report

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Project: Design and Verification of Multi-Channel ADPCM CODEC

Project Overview
The class design project is to design a complex system design of a Bit-Serial Multi-Channel Adaptive Differential Pulse Code Modulator and Demodulator (MCAC) compatible with G.726 & G.711 Specifications.

Work Completed
04/25/2014: Encoder passes all test vectors for single channel.
04/27/2014: Decoder passes all test vectors for single channel.
04/28/2014: mcac module is created. Started working on the multichannel implementation of ENC/DEC modules.
Work Awaiting Completion
05/2/2014: Synthesis the mcac module and generate netlist for it.
Complications
Channel and Frame syc clock synchronization was tricky.