

Senior Project - TonDef

A CD-ROM Based Digital Tone Standard for Telephone Equipment

Senior Project: 1994-1995

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This project developed a software tool running on a PC which drives a Sound Blaster board to generate touch tones, call progress tones, and other sounds. This tool's primary use will be to act as a tone standard for telephone equipment, which is currently provided by an analog tape commonly known as "The Mitel Tape". Recorded in this tape are tones with various signal strength and various abnormalities.

The tool provides a visual method for a user to establish a test suite by selecting various sound primitives (touch tones, white noise, voice, mixers, timing patterns, etc.) and connecting them into a network. The described test suite can then be played. Since this tool is built using digital technology, it can be much more accurate than an analog tape. The tool was developed using an object-oriented approach in C++ and Windows.

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