

Company unveils improved voice processors

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AudioCodes announced Friday an upgrade to its VoIPerfect software that will provide better voice quality for wireless and broadband access.

"With the rapid deployment of Voice over IP globally, (AudioCodes') wideband speech coding with ... jitter management and ... echo cancellation will become a dominant factor in (VoIP) services," said AudioCodes Vice President Shaul Weissman via a company statement.

The upgrade, called Wideband Vocoding, will allow the transmission of voice signals over a wider range of bandwidth, from 50 Hz to 7,000 Hz, the statement said. The traditional Public Switch Telephony Network operates on "narrowband" speech, between 300 Hz and 3,400 Hz.

Wideband Vocoding also boasts faster voice sampling -- 16 kHz as opposed to Public Switch Telephony Network's 8 kHz, according to the statement. The higher the rate of voice sampling, the fewer "limitations to communication quality and comprehension" in the conversation, AudioCodes said.

"This effectively doubles the narrowband speech signal bandwidth and offers the caller 'true voice' conversation. Compared to narrowband telephony, wideband contributes a sense of presence, enabling a natural and comfortable conversation," the company statement said.

The technology, along with other VoIPerfect software components that cut down on echo, offers "significantly better voice quality than what exists in the marketplace today," the statement said.

AudioCodes has headquarters in Israel and offices in the United States, Europe, East Asia and Latin America, according to the company.

The company was also one of the originators of the ITU G.723.1 standard for the emerging Voice over IP market, the statement said.

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