

Healthcare speech recognition turns industrial-grade

The upcoming version of SpeechMagic, the document creation platform from Royal Philips Electronics, will contain unique features which optimize the accuracy, security and administration of medical document creation. SpeechMagic 6.1 boosts speech recognition accuracy and scalability has been raised to up to 15,000 users per cluster. The software allows for fully centralized administration and management, facilitating integration with medical IT systems such as electronic medical records (EMR) systems. By working closely with end users, SpeechMagic 6.1 has been further adapted for documentation-intensive environments, accelerating the spread of speech-recognition



based medical reporting.

The Advanced Resolution Channel introduced with the next-generation speech recognizer has further reduced the error rate by 30%. Speaker Detection, a unique feature which protects individual speakers' settings, adds to this: when several physicians share a

workstation, an author may accidentally dictate using another speaker's voice profile. SpeechMagic 6.1 detects whether or not the author and voice profile correspond - leaving the active profile intact and protecting individual dictation characteristics. To further support speech recognition accuracy, sophisticated learning algorithms enable SpeechMagic to automatically and immediately adapt to the dictation style and pronunciation of each author.

To enhance the transcription workflow, SpeechMagic now calculates the amount of correction a recognized text will require and intelligently routes the document to the most suitable transcriptionist. This gives hospitals new management options: documents with a high error rate, for example, can be sent directly to an external transcription service, with accurate texts going to in-house transcriptionists.

In the UK, among others, Crescendo, Datapulse, G2Speech, Hospital Engineering, IMS Maximx, iSoft, Soliton IT, and Voice Technologies integrate SpeechMagic into their medical reporting solutions.

ENQUIRY NO. 203