Abstract

The paper presents the method of transferring PCM (Pulse-Code Modulation) based audio messages through SMS (Short Message Service) over GSM (Global System for Mobile Communications) network. As SMS is text based service, and could not send voice. Our method enables voice transferring through SMS, by converting PCM audio into characters.
Transference & Retrieval of Pulse-code modulation Audio over Short Messaging Service

Than Huffman coding compression technique is applied in order to reduce numbers of characters which will latterly set as payload text of SMS. Testing the said method we develop an application using J2me platform.

Reference

- http://e-articles.info/e/a/title/The-Main-Protocols-used-by-Mobile-Phones-(SMS-EMS-MMS-WAP)/

Index Terms

Computer Science
Communications
Key words
SMS (Short Message Service) GSM (Global System for Mobile Communications)
(Pulse-Code Modulation) Audio messages
Huffman coding compression technique