Sending text messages to Pagers and to Cellular phones

QUESTION...

(1) Why can I send a text message to a cellular phone but not to a pager?

ANSWER...

(1) Pagers accept messages only in TAP protocol.
(2) Cellular phones accept messages in SMSC protocol OR in TAP protocol.
(3) I believe that your software may be sending messages to pagers in SMSC protocol. The pager cannot read SMSC protocol and discards the message.

SOLUTION...

(1) Send messages to pagers in TAP protocol.

TAP protocol (for pagers)...

(1) TAP protocol is used by paging service providers to send short text messages to pagers.
(2) A copy of the TAP protocol is attached.
(3) TAP protocol will not accept messages from devices that send messages exclusively in SMSC protocol.
(4) TAP protocol will accept messages from devices that send messages in TAP-SMSC protocol (an intelligent protocol).

TAP-SMSC protocol (for cellular phones)...

(1) TAP-SMSC protocol is used by cellular service providers to send short text messages to cellular phones.
(2) TAP-SMSC protocol accepts messages that are sent in either TAP protocol or in SMSC protocol.
(3) TAP protocol messages are sent to cellular phones without confirmation back to the sender that the message was actually received by the cellular phone.
(4) SMSC protocol messages are sent to cellular phones with confirmation back to the sender that the message was actually received by the pager.
(5) SMSC message confirmation can take up to several days if the phone is in a poor coverage area, which is common in rural areas and in big buildings or if the cellular phone's battery is dead.

If you need to receive short messages quickly, and without worrying if the recipient's battery is dead...

(1) You should use pagers, and TAP protocol.

(2) Pagers generally have a stronger signal (for building penetration) and a greater coverage area (for rural areas) than is the case for cellular phones. This is why pagers are most commonly used for applications that require short text messages to be received quickly. Pager batteries last well over a month and give a low battery indication for about a week. They use AA or AAA cells, and you can carry spares in your glove box. Cellular phones, in contrast can exhaust their battery suddenly on a single phone call, or when the cellular phone travels into an analog service area.