novax

World Leaders in Taximeters

Electronic Processing of Payment Cards

For several years the popular Novax 2000, Novax Leda and the 20~20 have been capable of transferring meter data back to the dispatch office via radio modem equipment such as Electronic Payment Systems and Dispatch Systems in the Taxi. All meter types have a "Cab-Charge compatible" interface. The 2020 and the Leda now support several other interface protocol, as well as supporting direct connections to GSM and SMS networks.

Now, the 20~20 can go a step further. When coupled with the Swipe-Reader the meter processes 'Magnetic Strip' Payment Cards without the need for any other equipment. (refer publication 3-1 of this series). As well as storing the transaction detail in the meter's memory the records, including the Payment Card details can be transferred directly to the Dispatch Office via a compatible Dispatch System's RF Network. Each record can be stored in the Dispatch Office Computer system for later processing, or can be processed on-line if linked directly to an appropriate service provider.

Here's How it Works.

Every "Meter-Event" (Begin and End Shift, Start, Stop and Clear Fare) can be recorded as it happens by the dispatch office equipment, when the meter is linked to the RF Network via the vehicle's Dispatch Equipment. This includes cash, and non-cash transaction if desired.

Payment card transactions (Credit card, ARC Total Mobility card, Taxi Charge card) are processed by the meter, and the card details included in the payment record which is transferred as part of the "Clear Fare Event" transmission.

The card detail could be verified on line if appropriate, and a "Transaction Accepted/Declined" reply generated for display on the Taximeter screen.

In addition to transferring the meter transactions, the RF Network link can be used to transfer appropriate data to and from the taximeter. For example The ARC Subsidy may change from time to time, or a Service Fee applicable to a certain card type may change. The Cab company may wish to introduce their own 'loyalty card' and wish to add it to the "Issuer Table" within the meter. Such data can be updated over the RF Network. If individual meters (or other taxi equipment) are leased to the driver; Lease Period dates and times can be controlled over the RF Network, similarly with Shift Periods. A useful tool for the dispatch manager.

Metered Data, such as "Shift Reports" and the like can also be requested over the RF Network providing a total solution for management.

Where these requirements exist for companies not equipped with automated dispatch facilities, a smart Radio Modem can be used to interface the meter to the RF Network. The 20~20 taximeter's ability to display text messaging, effectively emulating an MDT could also give significant cost savings, The functionality is inbuilt at no extra cost. Refer Publication 2-7 of this series.

Credit cards, Charge cards and special subsidy cards are all handled in the same way and the transactions processed by the office computer system.