



## **OFFLINE DATA COLLECTION SOLUTION**

### **DESCRIPTION OF DEFICIENCY**

There is increasing need to track employees that do not work in a traditional workplace environment. These employees include construction workers, custodial workers, temp service employees, contract workers, etc.

Additional reasons which may prevent communications are distance, extremely remote location, no access to existing technology, and natural catastrophes. Interference from inclement weather can render wireless communication technologies such as GSM digital wireless telephone technologies ineffective. This is especially true in high risk areas, susceptible to frequent intense storms.

### **BRIEF ORGANIZATIONAL OVERVIEW**

For over twenty-nine years TimeTrak Systems has been developing, installing & supporting labor management solutions for businesses of all sizes and industries. TimeTrak provides integrated hardware and software solutions for time & attendance, labor distribution, employee scheduling & human resources.

TimeTrak has become the TECHNOLOGY leader in the time and attendance industry, through the development of innovative time and labor management solutions that increase business productivity. TimeTrak Systems is continually re-dedicating itself to the task of addressing the needs of businesses today and tomorrow by developing new and more powerful client/server applications that harness the power of the internet.

### **FEATURE INTRODUCTION**

The "Offline Data Collection Solution" utilizes a USB mass storage device able to connect to the ClocTrak Mobile clock terminal, and to the TimeTrak Time and Attendance Application computer, to provide the communications link. This method allows the appropriate data to be transported manually between the ClocTrak Mobile device, and the computer running the TimeTrak application.

This solution is also a viable option if a ClocTrak Mobile device is unable to communicate with the host computer via TCP, Serial, Direct File Access, etc.



## **WHAT IS NEEDED**

TimeTrak Systems Inc. currently offers two ClocTrak Mobile devices that support this feature. The TouchProESS hardware device runs the Microsoft Windows CE operating system and have ClocTrak Mobile software installed. This device feature a USB port used to connect to the target storage device (ie: USB FlashDrive). TimeTrak Systems Inc. also offers a Windows operating system based software application compatible with a USB mass storage device hosted by the computer which is running the Windows operating system.

## **HOW IT WORKS**

With the USB mass storage device connected to the TimeTrak computer, a download session is executed from the TimeTrak application; placing all required data on the USB mass storage device. This data includes the clock configuration, employees, biometric enrollments, hours, time cards, schedules, etc. The USB mass storage device is then connected to the ClocTrak Mobile device. On the ClocTrak Mobile application, the manager functions dialog window opens and the data is copied from the USB mass storage device to the internal memory on the device.

The employee punch transaction data residing on the ClocTrak Mobile device is copied to the USB mass storage device. This data includes punch transactions, biometric enrollments, and transaction photos. The USB mass storage device is then connected to the TimeTrak application computer to upload the retrieved data.

## **CURRENT FEATURE DEVELOPMENT**

TimeTrak Systems, Inc. has developed ClocTrak Mobile for a Microsoft Windows CE device that will support this functionality – the TouchProESS. Although the ClocTrak Mobile application is currently available, the described method of transporting data using a USB mass storage device is not yet available for full distribution. We anticipate a release date of this functionality in the next thirty days.