Mustering from Smart Media Innovations

Smart Media Innovations (SMI) has developed a range of Mustering products – specifically designed to operate when the Mustering facility provided by the core access control system is not available for use. The products are designed to operate with Handheld devices and a range of card technologies.

The range of products is described below

Simple Data Collection

This is the most basic application.

When a card is presented to the Handheld device, the card number is read and recorded. The user is presented with the feedback shown to indicate that a card has been successfully read.

The software stores the Card Number and Time of Read. This data can then be downloaded as a CSV file when the device is cradled. This file may also be transmitted wirelessly if the required network is available.

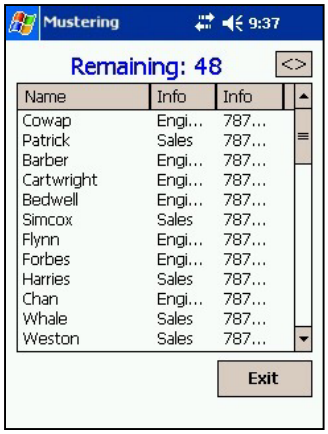
Please note that Microsoft's ActiveSync product has a limit on the number of "partnerships" that a PC may have with Handheld devices – set at two. Should the situation require more than this then SMI have developed a synchronisation component, which allows unlimited devices to download the requisite files.

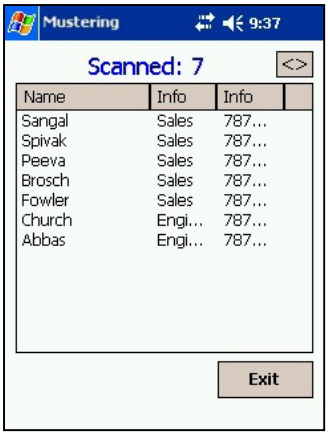
Single-User System - with input from Access Control System

This product is designed to accept a file from the Access Control system in use with "who is here now". The production of this file is dependant on the core system in use – but may be produced periodically or when the alarm is raised.

The definition of this file is given here:

Card# (fixed)
Name (fixed)
User defined 1
User defined 2
User defined 3





The file is sent direct to the Handheld unit - this is dependant on the Handheld having an IP address – functionality found within Windows Mobile 5.

The data then "seeds" the Handheld with a list of those personnel expected to be seen.

If the core system is capable of indexing the file by location – then the user may specify which location they are operating at – decreasing the expected list accordingly.

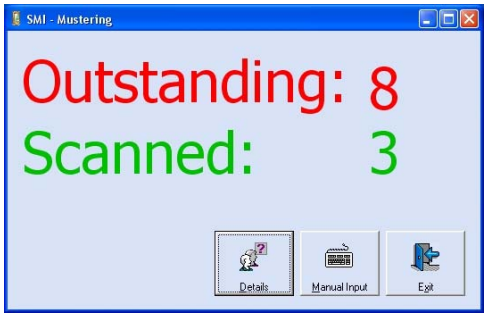
As cards are presented the details of that individual are moved from the "Not Seen" list to the "Seen" list – as shown here.

Multi-User System - with Input from Access Control System

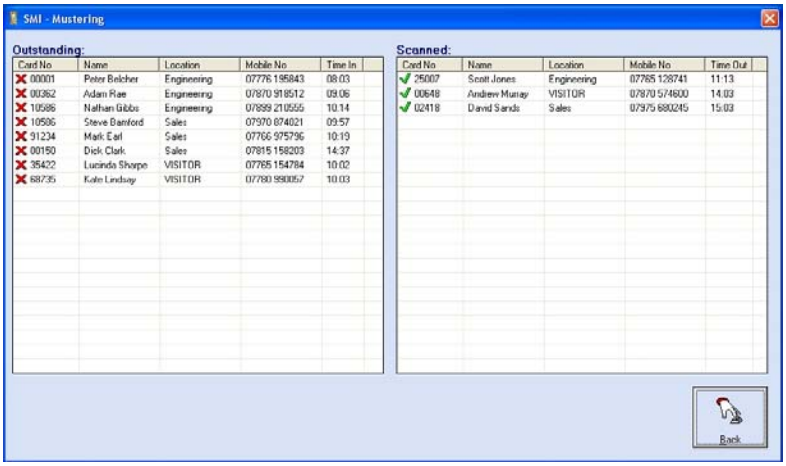
With this product the file specified previously is sent to a laptop - connected to the network with an IP address as before. The data then "seeds" an application on the laptop with those personnel expected to be seen - as before this data can be received at whatever frequency is available/appropriate.

In the event of a Muster then the laptop is disconnected from the network and taken to the relevant location.

The application then displays the data as shown here:



When the Details option is selected then the following is displayed



Handhelds are then deployed to the relevant personnel. A "peer to peer" wireless network is established between the Handhelds and the laptop. As cards are read then the user will be presented with similar simple feedback to the Data Collection application. The "read" will be sent to the laptop and that individual moved to the seen column. In this way multiple personnel may carry out the Muster – with a central point being able to see the complete situation.

If the wireless network should fail or be out of range (approx 150 yards) then the reads are stored in the Hand Held until either the network is re-established or the device is cradled.

Card Compatibility

A wide range of card technologies/devices may be utilised:

- ✓ Bar Code and Mag Stripe – via readers available from Socket – which are CF based
- ✓ HID Prox – a CF form reader is available directly from SMI
- ✓ Mifare/DESFIRE – the reader from Assa Abloy ITG may be utilised (again CF form)

In all of the above cases the CF form readers may be fitted to either a normal or rugged hand held – contact SMI for details of devices currently in use.

- ✓ ***iCLASS*** – In order to read the Access Control number from an HID ***iCLASS*** card then a device with an HID OEM unit must be utilised – such machines are available from Datastrip or Trijay.