

Driver Testing Mobile Solution

Each driver tester has a Dell Axim x51v Personal Digital Assistant (PDA) that is wirelessly connected to the local network. They can view their schedule of tests for the day and select a candidate for testing from this list. Test progress is recorded on a custom application as the test progresses and when complete the data is transferred to the central database via a dedicated application server. The relevant documents are then printed automatically.

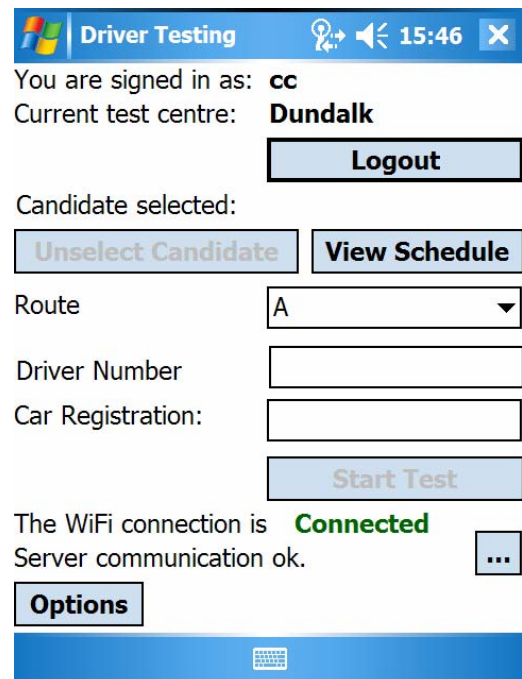
Advantages

This process increases the efficiency of the process as follows:

- The driver tester gets up to date and accurate schedules.
- Candidates can be added to the schedule by the call centre and they automatically appear on the schedule within minutes.
- Full test results are captured electronically at source improving accuracy and allowing detailed analysis if trends etc.
- The candidate gets a clearly printed certificate with security features (preventing fraud) that can be presented to the licensing authority to get a license.
- The candidate gets feedback via a clearly printed report sheet showing what areas of their driving need to improve.
- The licensing authority gets accurate and timely electronic records and statistics of all tests conducted. This system also generates the information necessary for invoicing the licensing authority.

Technical Information

- Inspector Hardware is Dell Axim x51v PDA. 624Mhz Intel PXA270 processor, 64MB RAM, 256MB ROM.
This connects to the LAN with 128 bit encryption and WPA-PSK authentication
- Wireless Access Point is a 3Com 3CRWE454G75
- The inspection application is a custom VB.NET program written in-house using Visual Studio 2005 and the .NET compact framework version 2 SP1.
- The application server is a custom ASP.NET web service written in-house using Visual Studio 2005 running on Windows server 2003 Std Ed.
- The database technology is Oracle 10G (10.1.0.2) running on Linux AS V3 Update 3 on a shared cluster of IBM xSeries servers.



Currently testing: **ALISON CORR**

Rules/Chks	Position	Observation
Rct to Hazards	Mirrors	Clear/Overtake
Signals	Motorcycles	Courtesy
Alighting	Progress	Vehicle Ctrls
Speed	Traffic Ctrls	Right of Way
Reverse	Turnabout	Parking

Test Complete

Abandon Test

Signals

	Gd 1	Gd 2	Gd 3
Moving off	Green	Grey	Grey
Overtaking	Green	Grey	Grey
Changing lane	Green X	Grey	Grey
At roundabouts	Green	Grey	Grey
Turning right	Green	Grey	Grey
Turning left	Green	Green X	Grey
Stopping	Green	Grey	Grey
Cancel	Green	Grey	Grey
Hand signals	Green	Green X	Grey
Beckoning	Green	Grey	Red
Misleading	Green	Grey	Red

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