



VALIDATION TEST SUMMARY

*OutTrak
OutTrak v2.5.49
April 2008*



1. Introduction

1.1. About OutTrak Software Services

OutTrak Software Services (OSS) LIMITED are a well established (1994) provider of complete mobile computer solutions to the Food, Fuel, Utilities, Security, Field Service, Waste Management and Maintenance industries. Industries or institutions with a substantial field based workforce that are working remotely from the office and need to process, manage or capture enterprise critical information.

The core software is called "OutTrak " and it electronically processes all mobile transactions or tasks such as orders, inspections, delivery dockets and invoices on simple to use handheld computers with no manual calculations or paperwork. OutTrak fully integrates into the clients back office system to provide a complete electronic process, removing all paperwork and capturing accurate field based information.

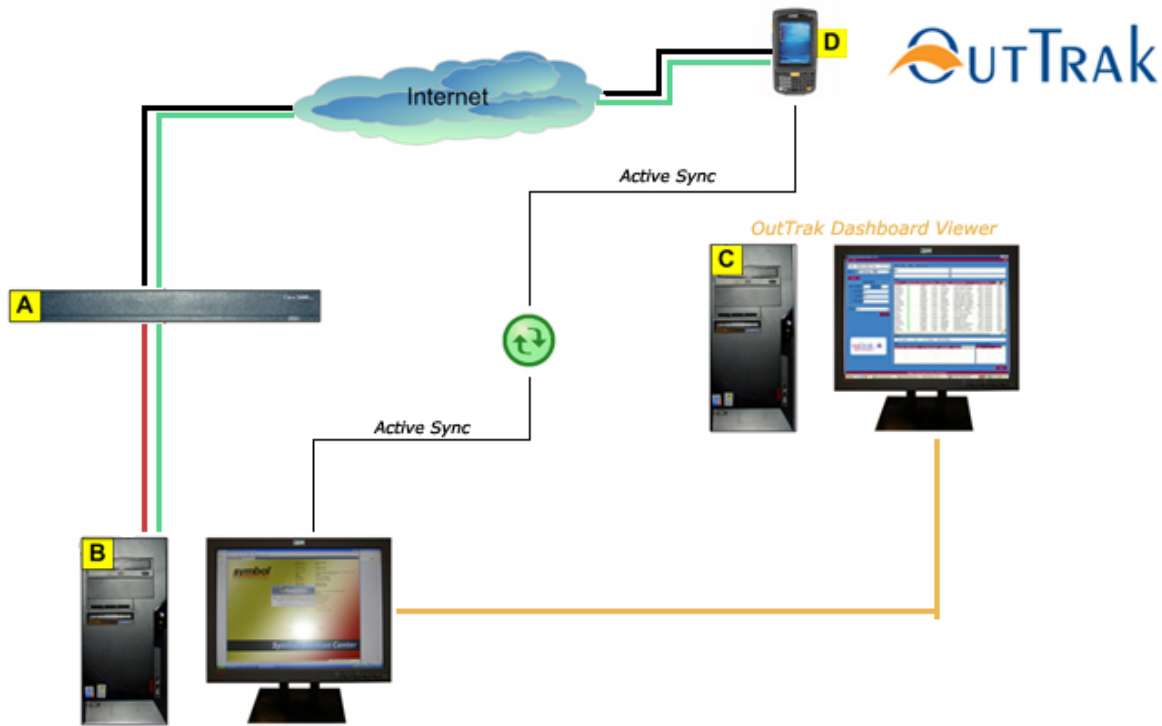
1.2. About OutTrak

With new technology developments such as GPRS more and more mobile business processes will become automated and the cost of remotely managing this system will decrease. The high cost of running an Oil Tanker or Food Delivery vehicle will drive firms to ensuring that they get the maximum return for the investment in the asset.

The companies that adopt mobile automation early can secure a competitive advantage that will allow them to grow at a faster pace than the manual based operators. The value proposition offered by OutTrak is difficult to argue against and makes for a compelling reason to buy. Depending on the number of tankers / vans involved the ROI can be as short as 60 days. OutTrak is focused on getting real financial benefits in the shortest timeframe and improving overall company performance.

2. Environment and Equipment

2.1. Environment



2.2. Equipment

Motorola Infrastructure					
Model Number	Version (Specify required firmware version - if applicable)	Test Environments			Serial Number
		WLAN	WAN	Other	
WS-5100-R200-WW	2.0.0.0-034R	X			
WS-2000-SME-WW	2.1.1.0-009R	X	X		

Motorola Device's					
Model Number	Version (Specify OS Version and any special platform version)	Test Environments			Serial Number
		WLAN	WAN	Other	
MC7094-PKCDCQHA8WR	WM 5 Phone WLAN/WAN/PAN(BT), AN/LAN/PAN, eGPRS, 802.11a/b/g and Bluetooth, 2D Area Imager		X	X	7301520801878

Other Equipment				
Model Description Version Purpose	Test Environments			Serial Number
	WLAN	WAN	Other	
O'Neil Printer MF8i-High Speed	X		X	0017AC01111B

3. Test Results

The table below provides a list of tests that were performed to validate OutTrak on the Motorola EMB devices.

Test	Test Description	Results
Add/Remove Procedures		
Server Installation and Configuration	This test ensures that an application can be installed and configured using the licensing methodology for server software (using static or floating license)	Pass
Client Installation and Configuration	This test checks for the configuration of printer, configuration with backend server (i.e.: how is the backend server internet address detected) and licensing methodology for client software	Pass
Server Uninstall	This test determines if two key functions are supported: (1) identification of any manual files to delete and (2) uninstall procedure	Pass
Client Uninstall	This test determines if an application can be uninstalled without affecting other applications on a device.	Pass
Wireless		
Bluetooth Profile	This test will exercise any Bluetooth profiles supported by the partner application. This includes printers, GPS and other devices that are accessible to the Bluetooth system.	Pass
WAN		
Data Test	Check for ability to transfer data over the WAN interface. This data can in the form of UDP, TCP/IP, or HTTP Web Posting.	Pass
Recovery from Signal Loss	This test exercises the application while losing and regaining coverage.	Pass
Suspend Modes		
Automatic Suspend	This test ensures the automatic suspend modes are working properly while the application is running.	Pass
Recovery from Manual Suspend	The application must be able to resume from the suspend state by manually pressing the power button on the device.	Pass
Unattended Mode	This test exercises applications that utilize the unattended mode API	Pass
Battery Replacement	This test ensures the application recovers properly from a battery replacement.	Pass
General System		
Cold boot Persistence	This test ensures that the application settings are the same after cold boot.	Pass
Battery Life	This test details the operational lifetime of the application	Pass
Single Application Support	Application takes over the entire device and prevents any other applications from running.	Pass
System Resource Usage	A series of tests to determine disk usage, memory usage, and CPU usage while application is running over a period of one hour.	Pass

Test	Test Description	Results
Long term Application Usage	The application will be left running on the device overnight. The device will be put into the cradle so power is maintained.	Pass
Version Information	The application must indicate a version or release number that is accessible to the user for tracking purposes. The version number must change with any update to the software.	Pass
Barcode Utilization	Several types of barcodes are scanned to determine applications readability.	Pass
OutTrak Specific Tests		
Complete Start of Day	<p>Before driver can do his sales each day he must complete the "Start of Day" procedure to download his calls for day and route sheet and stock list etc from the central server.</p> <ul style="list-style-type: none"> - Demonstrates logging onto handheld and processing start of day procedure. 	Pass
Complete a Sale from the Route List	<p>Initially the delivery person is given the list of places to visit. This list is downloaded from the backend Server.</p> <ul style="list-style-type: none"> - Demonstrates viewing the route list on the Handheld. - Creating an delivery docket - Recording a signature from the person at the destination <p>Printing a receipt containing the items</p>	Pass
Update Backend Database	<p>The operator will update the backend database with the current delivery information. This delivery information is used for tracking the location of items and for charging the client for the delivery.</p> <p>Generate a route report for a particular delivery person</p>	Pass
Locate Items	<p>Once the handheld sends back an update after the delivery was made the ODV has the information to show the operator the following :</p> <ol style="list-style-type: none"> a. Status of the order by colour coding b. What driver has the order on his handheld. c. A POD (PDF) is in the ODV with the signature on it. 	Pass

4. Conclusion

Testing was performed on OutTrak solution running on Motorola EMB mobile computers. The OutTrak solution successfully met the test objectives and is granted the Motorola Enterprise Mobility Validated logo.

Appendix A - About Motorola Enterprise Mobility Validated Program

The Motorola Enterprise Mobility Validated service is a benefit offered to members of the PartnerSelect program and certain Motorola customers that entitle them to co-test their integrated solution. This validation test assures customers of high quality and system interoperability. Members of the Motorola EMB Solution Center work with a partner to validate partner's integrated end-to-end solution using Motorola including mobile computers, RFID devices, wireless infrastructure and mobility management software. Detailed test cases are constructed to exercise the intended functionality under a variety of customer usage scenarios. Upon successfully completing the test objectives, the partner's solution is granted the Motorola Enterprise Mobility Validated logo.

About Motorola Enterprise Mobility Business

Motorola is known around the world for innovation and leadership in wireless and broadband communications. Inspired by our vision of Seamless Mobility, the people of Motorola are committed to helping you get and stay connected simply and seamlessly to the people, information, and entertainment that you want and need. We do this by designing and delivering "must have" products, "must do" experiences and powerful networks -- along with a full complement of support services. A Fortune 100 company with global presence and impact, Motorola had sales of US \$35.3 billion in 2005. For more information, please visit <http://www.Motorola.com>


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