

Permit Mobile Inspections

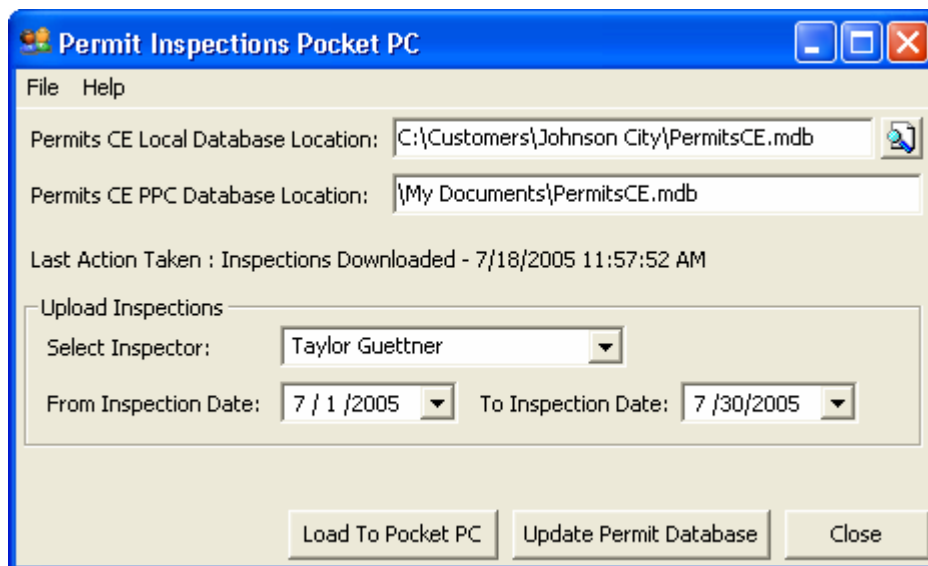
Summary

Permit Mobile Inspections was designed to allow a building inspector to carry their scheduled inspections with them into the field. With this information the inspector can note inspection findings, review basic permit information associated with the permit and pass or fail an inspection. The software allows the inspector to print out an inspection "tag" or report to leave at the job location showing the inspection results. There are also plans to allow the inspector to print out a Certificate of Occupancy. The software also allows the inspector to re-inspect passed failed inspections as well as review prior inspection results.

The permit and inspection information is loaded from the permit software, LGDPC Permits, by using a piece of middleware designed to extract the information for a given inspector and date range. This middleware is also used to extract the inspection results from the Pocket PC and update the Permit database. This middleware uses Microsoft ActiveSync for connectivity between the PC and the Pocket PC. We **do not** use ActiveSync's ability to synchronize the PC with the Pocket PC. We only use ActiveSync for the communication between the two devices.

Components

Permit Inspection Middleware



This piece of software is used to connect the PC and the Pocket PC (PPC). This application will upload the selected Inspectors inspections to the Pocket PC. This application will also download the inspection results and insert those results into the Permit database. We currently use a Microsoft Access database to store the information. This database is loaded on the PC and then uploaded to the PPC. The PPC **does not** convert the database to the Pocket Access file format. This is the main reason we do not use ActiveSync's ability to synchronize the PC and PPC content. When an inspection is loaded to the PPC this inspection will be locked in the permits software until the inspection is checked back in by the inspector.

Pocket PC Mobile Inspections

This is the application which is installed on the Pocket PC. The application was designed to allow only one inspector's inspections to be loaded on each PPC. Most of the information that is carried on the PPC will be read only. This allows other users at the main office to continue working with the main permit information if needed. The following is a list of fields the inspector can update. Scheduled Inspection Time, Scheduled Inspection Date, Actual Inspection Time, Actual Inspection Date, Approved, Inspection Notes, Inspection Comments, Inspection Comment Code, Notes. The following are screen shots of the PPC Software.

Opening Form

Scheduled Inspection List

Inspection	Address
Reinspection	4197 Old State Road
Framing	4197 Old State Road
Fire Framing	4197 Old State Road
Electrical	4197 Old State Road

Selected Inspection Information

Inspection Notes

Selected Inspection Comment Codes

Comments	
Inspection Comments	
Inspection	Code
Electrical	001

New Open Close

Permit Inspection History

Inspection History		
Inspection	Inspector	App
Plumbing	John Doe	No
Final		No

Open Close

Permit Information

Permit Inspections	
Permit Information	
Issue Date:	7/15/05 Res: Yes
Job Cost:	\$225000.00
Permit Fee:	\$1140.00
SubDivision:	
Improvement:	NEW
Occupancy:	SINGLE FAMILY
Lot:	001 Block: 689
Map#:	001.0005.11 Group: 001
Survey:	00100
Ctl Map:	001
Parcel:	001.0005.1152.1
GEO Code:	002
Spec. Int:	

[Inspection](#) [Insp Notes](#) [Comments](#) [History](#)
[Permit](#) [Address](#) [Contractor Notes](#)

File Help

Permit Location Information

Permit Inspections	
Job Location Address	
Address:	4197 Old State Road
City:	Hampshire
State:	TN Zip: 38461
Phone:	(931) 285-0095
Owner Information	
Name:	Taylor Guettner
Address:	4197 Old State Road
City:	Hampshire
State:	TN Zip: 38461
Phone:	(931) 285-0095

[Inspection](#) [Insp Notes](#) [Comments](#) [History](#)
[Permit](#) [Address](#) [Contractor Notes](#)

File Help

Permit Contractor Information

Permit Inspections 9:21

Contractor Information

Name:

DBA:

Address:

City:

State: Zip:

Phone: Ext:

Mobile:

[Inspection](#) [Insp Notes](#) [Comments](#) [History](#)
[Permit](#) [Address](#) [Contractor Notes](#)

File Help

Permit Job Location Notes

Permit Inspections 9:31

Permit Notes

[Inspection](#) [Insp Notes](#) [Comments](#) [History](#)
[Permit](#) [Address](#) [Contractor Notes](#)

File Help

Inspection Comments Detail

Comments 9:20

Inspection Comment Detail

Inspection:

Permit Code:

Comment Code

File Help

Inspection History Detail

Inspection History 9:21

Inspection Detail

Inspector:

Inspection Type:

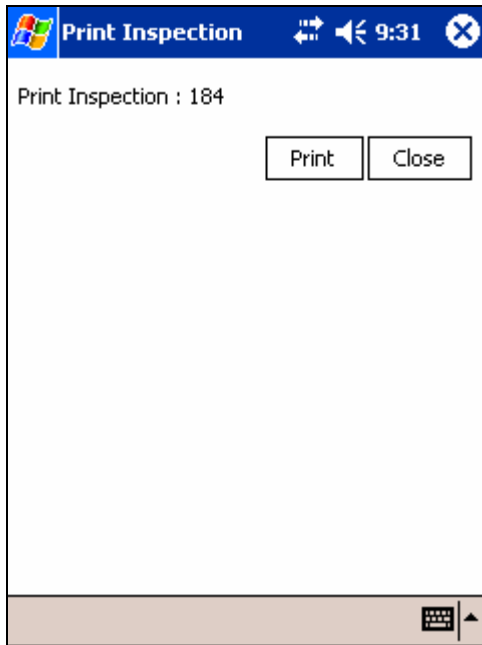
Inspection Date:

Approved

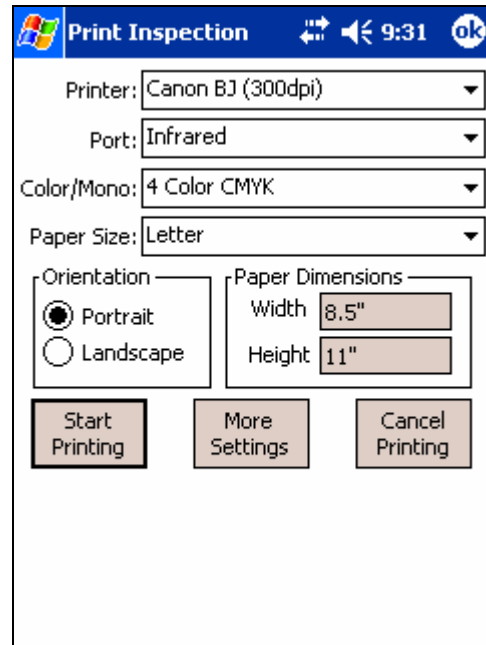
Notes:

File Help

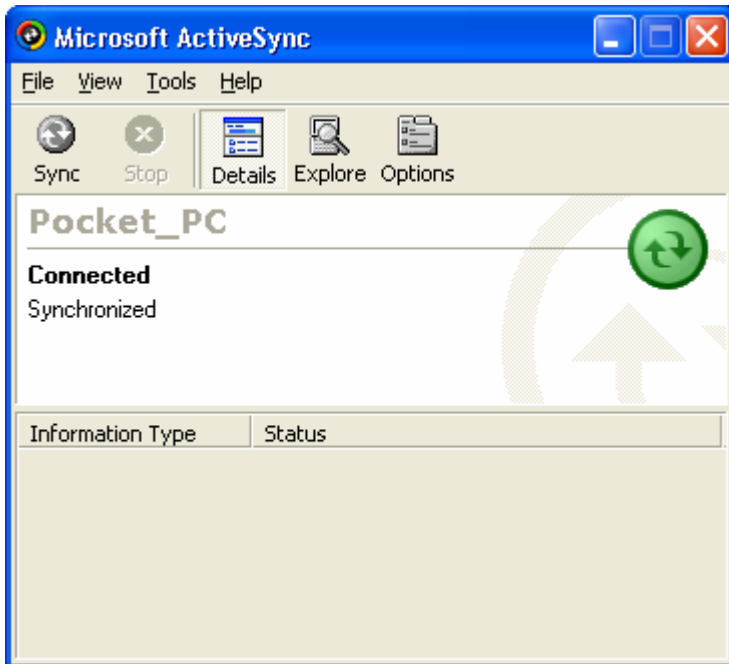
Print Inspection Report Dialog



Printer Dialog



Microsoft ActiveSync 3.7.1 (Build 4034)



Microsoft ActiveSync allows you to create a partnership between your mobile device and desktop computer using a cable, cradle, or infrared. After you create a partnership, you can synchronize your data using a modem or network (Ethernet) card if your device supports it. You can also use your existing computer to connect to other resources through ActiveSync. We use ActiveSync strictly for its communication layer. The version 3.7.1 of ActiveSync is very important this is the only version that has been tested and confirmed to work consistently. The newer versions seem to have a serious problem consistent communication.