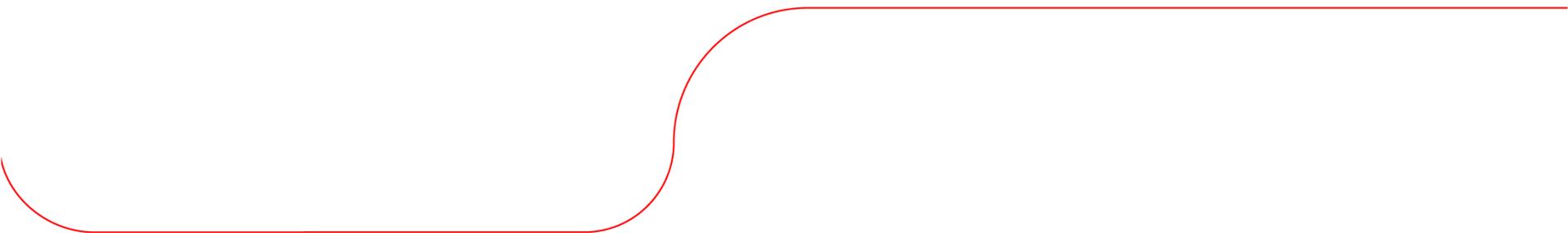SKF®

MI v1.4.4.1
and CMDM 5700

Presented to TSG

Presented by Travis

2013-Jul-24 and 30

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1

v1.4.4.1 Summary

Summary

New Features

- CMDM 5700 Support (Ecom Ci70, Atex version of 6700…)

- CMDM 6700 Camera Integration

- Inspector Secure (available on CD)

- ROUTE Instructions (are back)

- Inspection History (i.e. 'trend')

- Database Backup and Restore (made for John ;)

- Machine name visible from POINT Collection Screen

- High Contrast user preference

- POINT Toolbar

- Search option (Korean Only!)

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Summary

Bug Fixes

-When barcode is found in multiple workspaces, the names of the choices are blank when prompted to choose which machine to go to (OTD 6046)

-Machine description disappears after opening a Work Notification or Machine Instruction on the Machine screen (OTD 5523)

-The same ROUTE can be displayed more than once in the "Found in Multiple ROUTEs" screen (OTD 5514)

-Workspace icon displays as 'folder' instead of proper Workspace icon (OTD 4717)

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2

CMDM 6700 Camera Integration

CMDM 6700 Camera Integration

- Only available on CMDM 6700 (Intermec CN70e)

- Available for all operators at this time (no way to disable)
  - *In time there will be an Operator setting in @ptitude*

- Currently uploads to a specified directory based on @ptitude Global Preference
  - *In time it will link to trends, Work Notifications, etc….*

- Requires @ptitude 2013 for upload capability
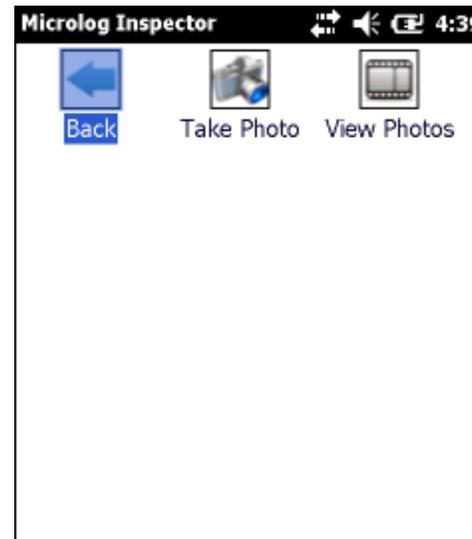 - *Otherwise need to use ActiveSync/WMDC*

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CMDM 6700 Camera Integration

- Home page access…
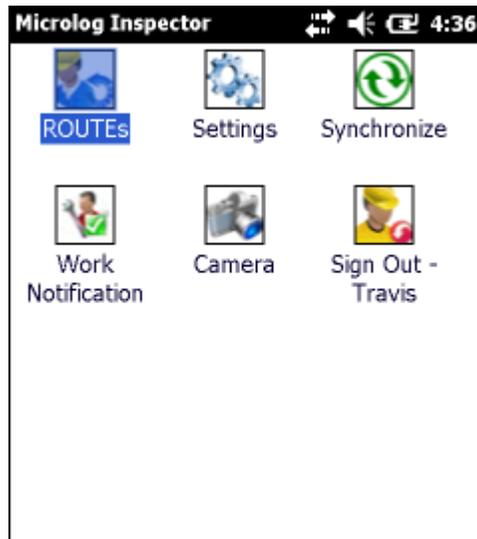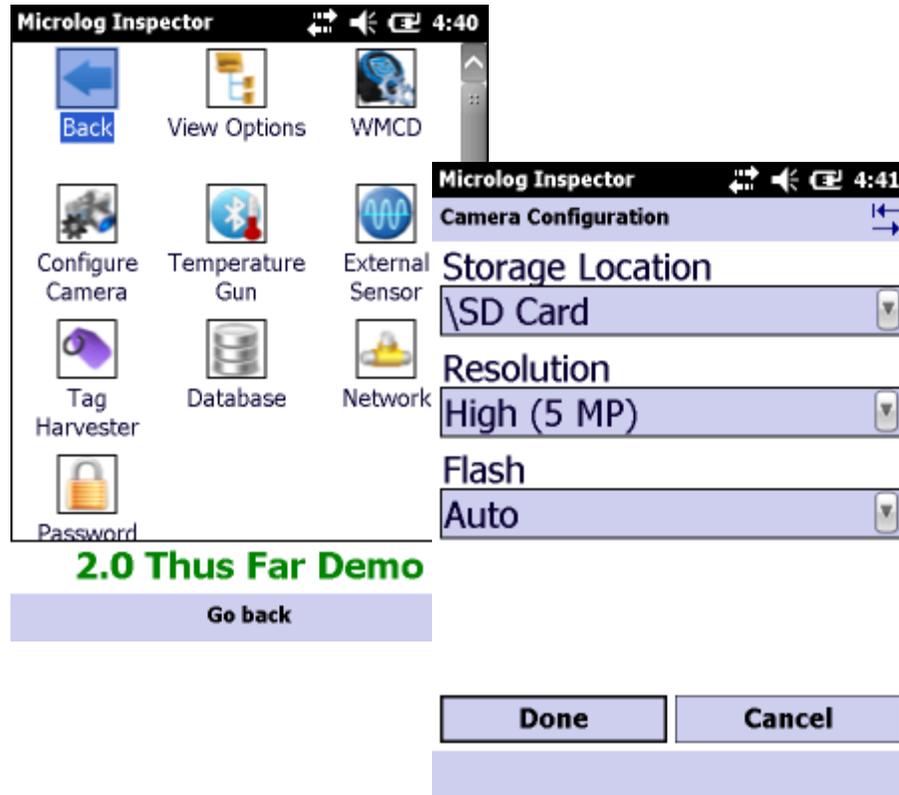
CMDM 6700 Camera Integration

- Configuration from Settings…

Storage Location:
-(Flash memory locations)
- Flash File Store
- SD Card
- RAM Drive
- (system root)

Resolutions:
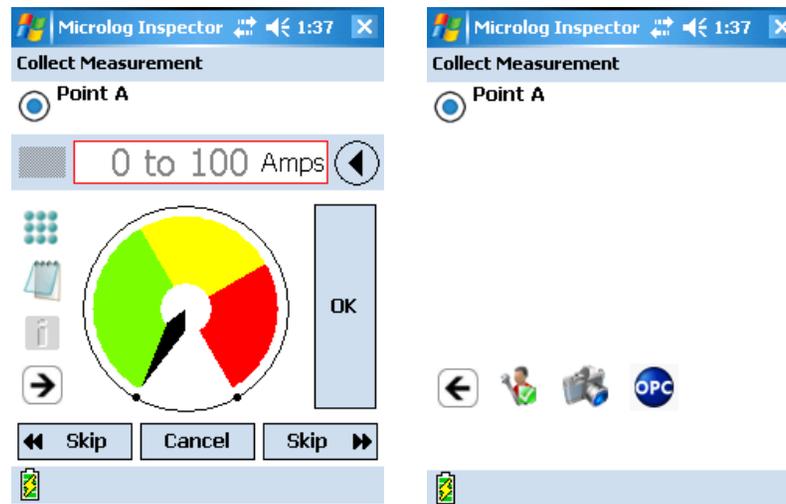-High (5 MP)
-Medium (1.3 MP)
-Low (0.3 MP)

Flash
-Off
-On
-Auto

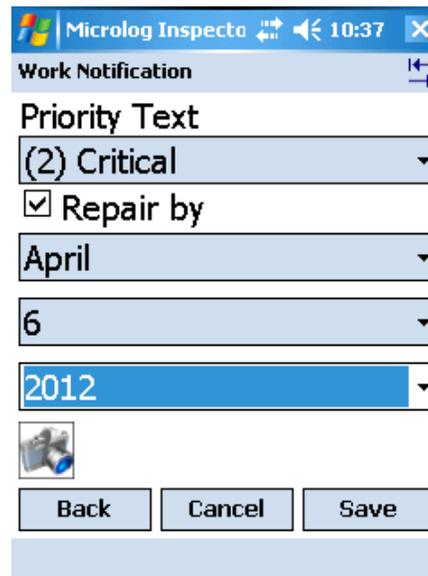**SKF** ®

CMDM 6700 Camera Integration

- From Machine screen

CMDM 6700 Camera Integration

- From POINT Toolbar

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CMDM 6700 Camera Integration
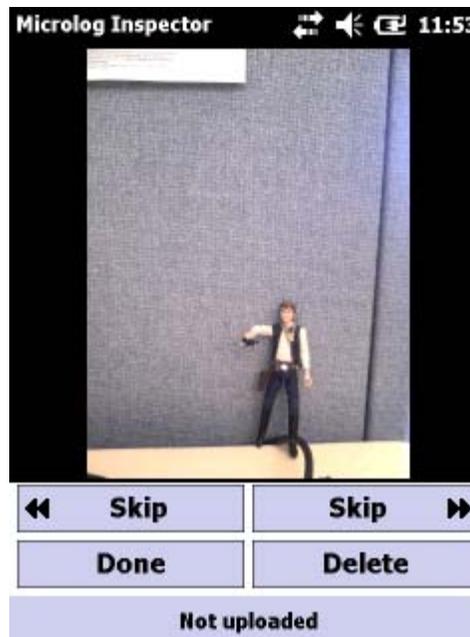
- From Work Notification

CMDM 6700 Camera Integration

- Check mark captures (or Enter), arrow leaves (or ESC)

- Disk saves (or Enter), X mark cancels (or ESC)

- Settings and available photos to take at top

CMDM 6700 Camera Integration

- Can view photos (from Homepage's Camera > View Photos)
- Can view status and delete

CMDM 6700 Camera Integration

Naming Convention

- Taken from a POINT, file name = the POINT's name plus a date time stamp,

  - "The-Point's-Name-2012-11-12T15-45-06.jpg"

- Taken from a Machine, file name = the Machine's name plus a date time stamp,

  - "The-Machine's-Name-2012-11-12T15-45-06.jpg"

- Taken from Offroute

  - "NR-2012-11-12T15-45-06.jpg"

- Taken from WN

  - "WN-2012-11-12T15-45-06.jpg"

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CMDM 6700 Camera Integration

Synching Behavior

-In @ptitude 2013 there is a new Global Preference "Microlog Inspector photo upload directory"

-When not specified (default) is the ProgramData folder is used, the same as where the MI upload/download files are stored presently
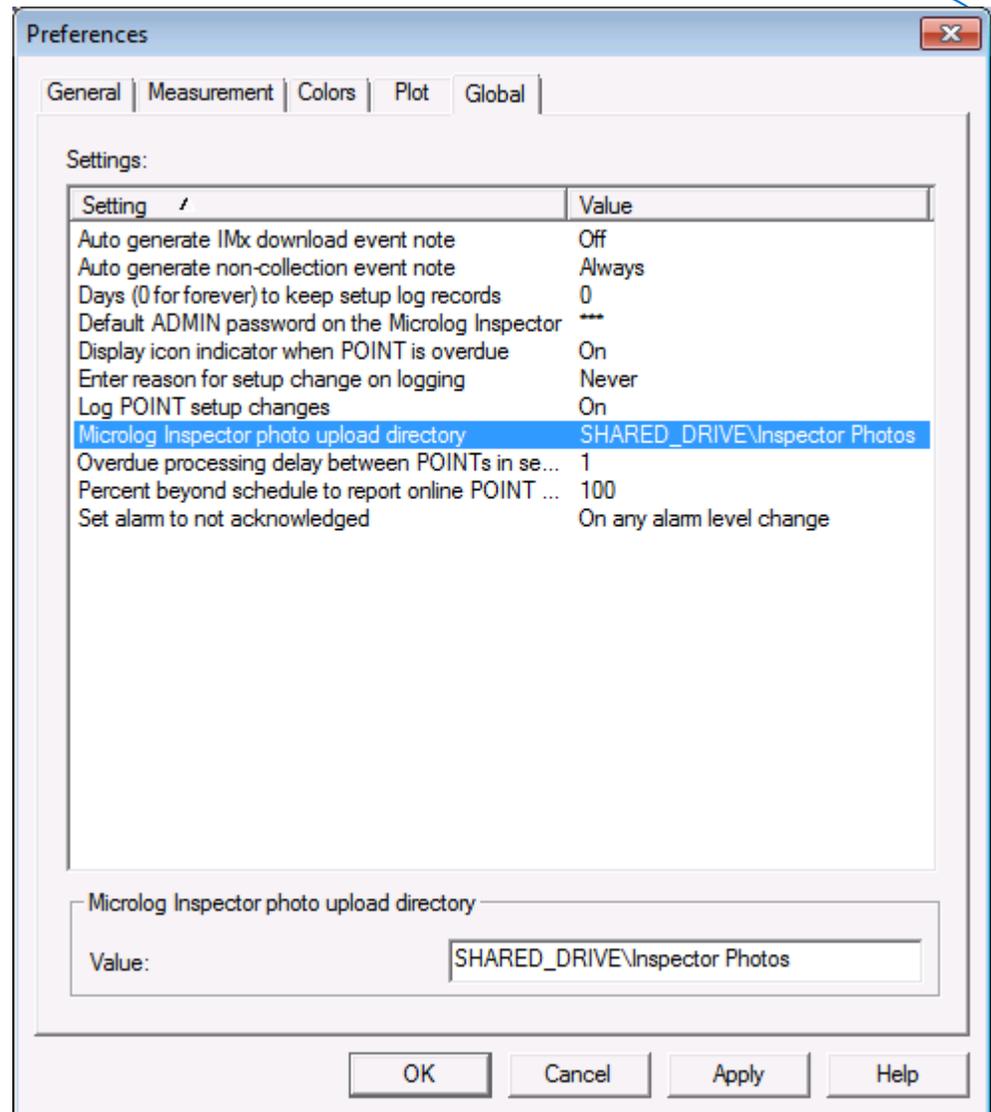
CMDM 6700 Camera Integration

Technical Notes

- RDC does not support photo uploads at this time (RDC client or RDC host)

- The Microlog Inspector service is responsible for writing the photos to disk. The service is ran under a Windows user that may or may not have access to certain directories. By default, the Microlog Inspector service is ran as the "Local System" user. When specifying a directory, ensure this Windows user has access to the directory!!

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CMDM 6700 Camera Integration

Technical Notes

-Upon upload, a folder will be created with the following format in the directory:

FFFF_YYYY_MM_DDTtt-tt-tt

- FFFF → device friendly name

- YYYY → year

- MM → month

- DD → day

- Tt-tt-tt → time

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CMDM 6700 Camera Integration

Technical Notes

-Upon upload, a 'catalog.csv' file is created and can be ignored by customers

- It would give @ptitude data required to link to actual Hierarchy elements….

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CMDM 6700 Camera Integration

Technical Notes

-If the system is unable to save photos to the specified directory, an event log notification will be created

-If no directory is specified in the Global Preference, the system hosting the Microlog Service's ProgramData directory will be used

- [Path to ProgramData]\SKF\@ptitude Analyst\Microlog\Inspector\MEDIA

- This ProgramData path changes per operating system and is hidden so if using the default directory, ensure you have "Show hidden folders" enabled in File Explorer's settings

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CMDM 6700 Camera Integration

Technical Notes

- Photos aren't deleted upon upload (similar to digital cameras). The user can delete individual photos or all photos from the device

- Upload speeds:

    5 MP – 2.15 seconds per photo

    1.3 MP – 0.6 seconds per photo

    0.3 MP – 0.35 seconds per photo

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CMDM 6700 Camera Integration

Technical Notes

-If trying to sync photos with pre 2013 @ptitude, a warning will display on the device during sync, photos remain on device…
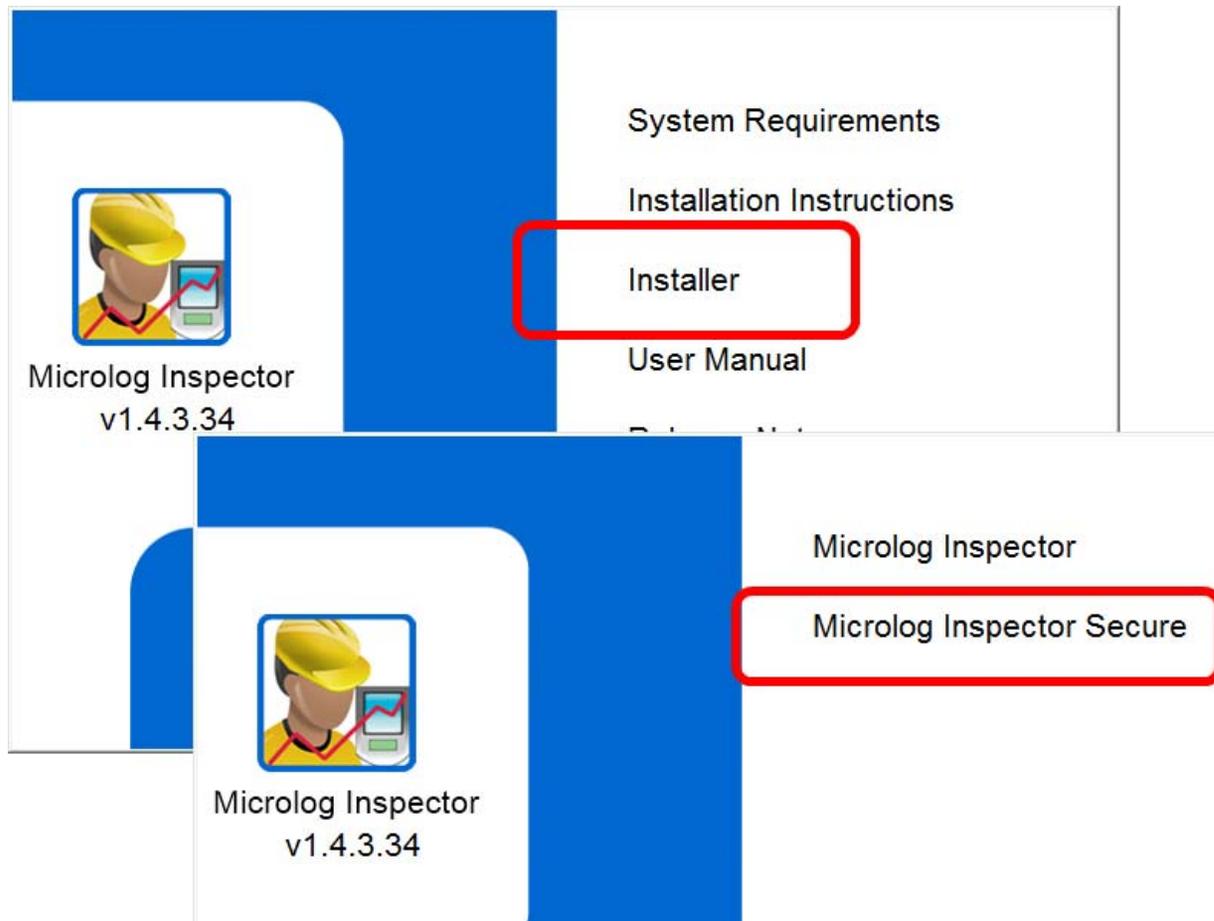
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3

Inspector Secure

Inspector Secure

Summary

- Free support application available on the CD

- CMDM 6600, 6700 and 5700 supported

- Requires MI (MARLIN not supported)

- Install a desktop utility app to install and configure the device

- Locks the device down to only allow up to 6 applications to run and blocks shell (operating system) access
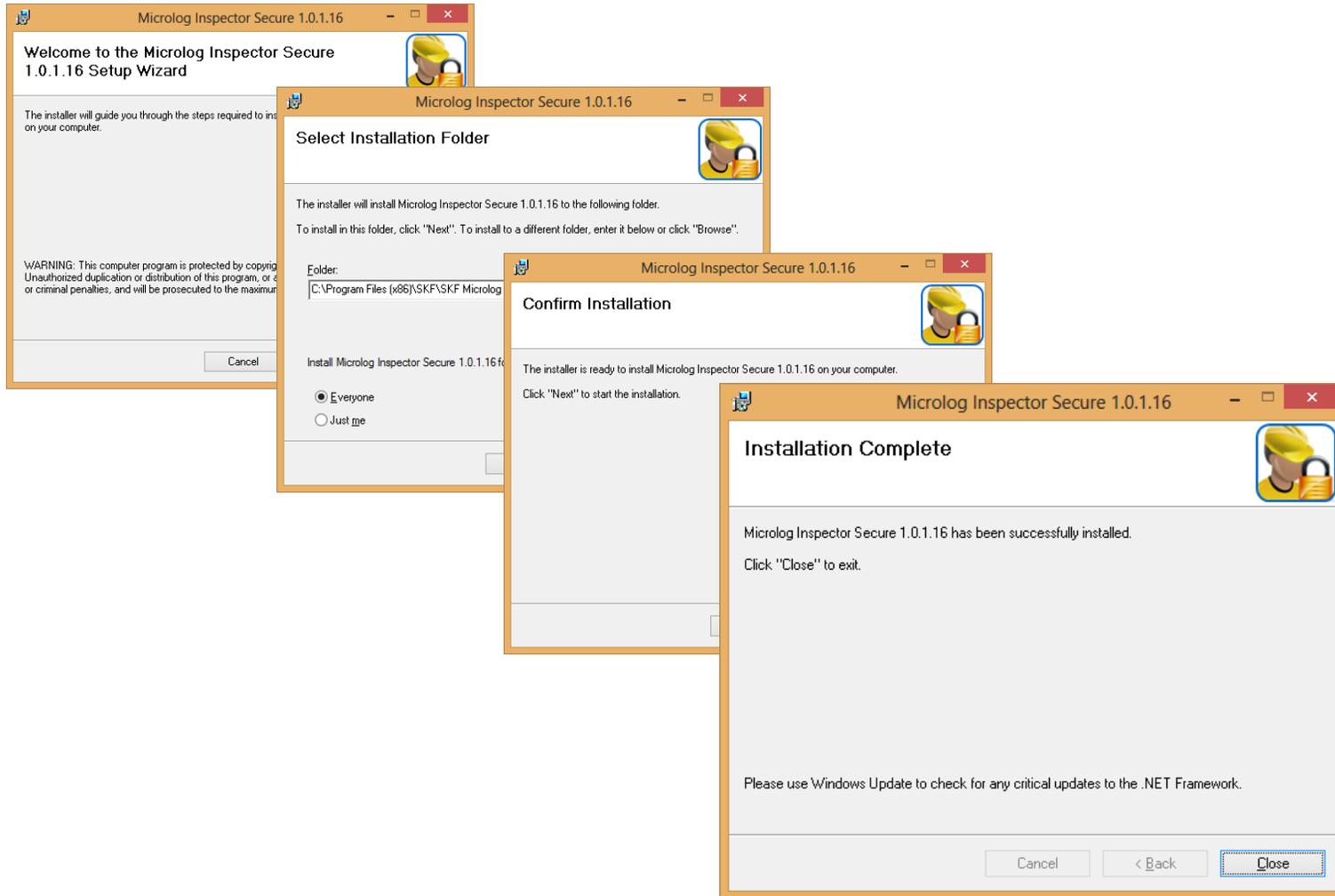
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Inspector Secure

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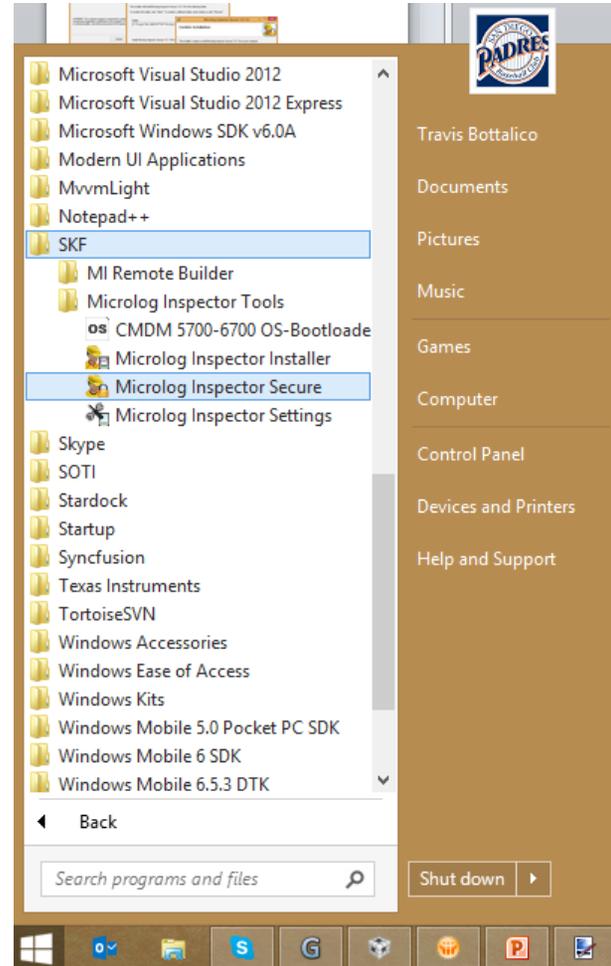
Inspector Secure

Installation (CD):

System Requirements

Installation Instructions

Installer

User Manual

Microlog Inspector
v1.4.3.34

Microlog Inspector

Microlog Inspector Secure

Microlog Inspector
v1.4.3.34

Inspector Secure

Installation (Support App), Next Next Next:

Inspector Secure

Installation Location:

- Start > Programs > SKF >

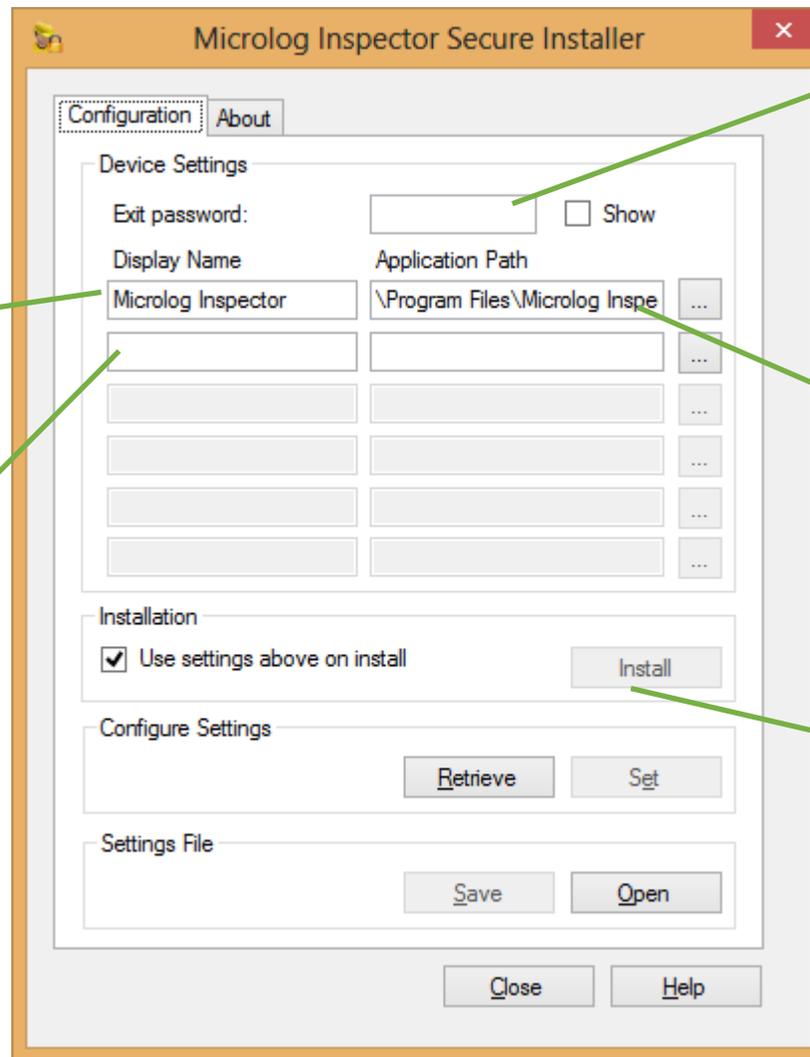   Microlog Inspector Tools >

        Microlog Inspector Secure

Inspector Secure

Quick Start:

1) Connect device

2) Enter an Admin exit password

3) Set the app name that will appear for the user to select from

4) Specify path to app on device (or use the browse button to find it)

5) Repeat for all apps you want to have available

6) Click install

Microlog Inspector Secure Installer

Configuration | About

Device Settings

Exit password: [   ] ☐ Show

Display Name	Application Path	
Microlog Inspector	\Program Files\Microlog Inspe	...
		...
		...
		...
		...
		...

Installation

☑ Use settings above on install   [Install]

Configure Settings

[Retrieve]   [Set]

Settings File

[Save]   [Open]

[Close]   [Help]

SKF

Inspector Secure

Quick Start:

7) Select device type

8) On device, choose to install to "Device"

9) Device resets automatically…

10) App automatically starts…
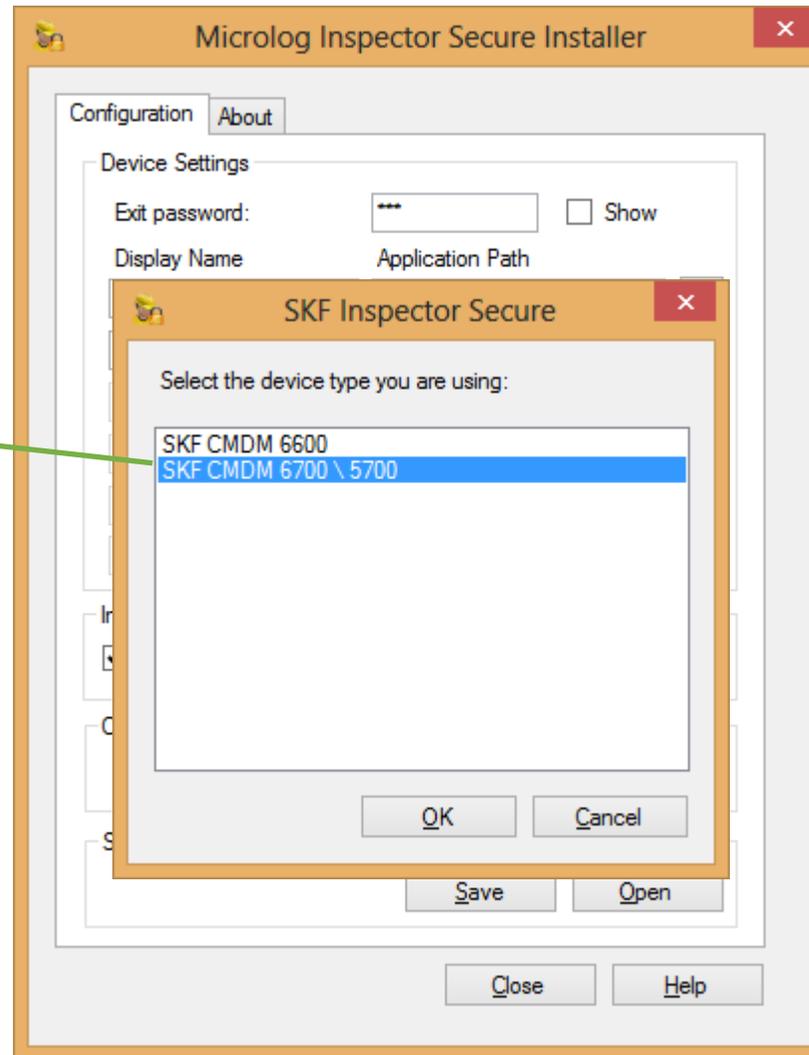
Inspector Secure

Quick Start:

- A. Launches the specified application
- B. Accesses the Admin screen

A

SKF

Microlog Inspector

Calculator

B

Admin

SKF®
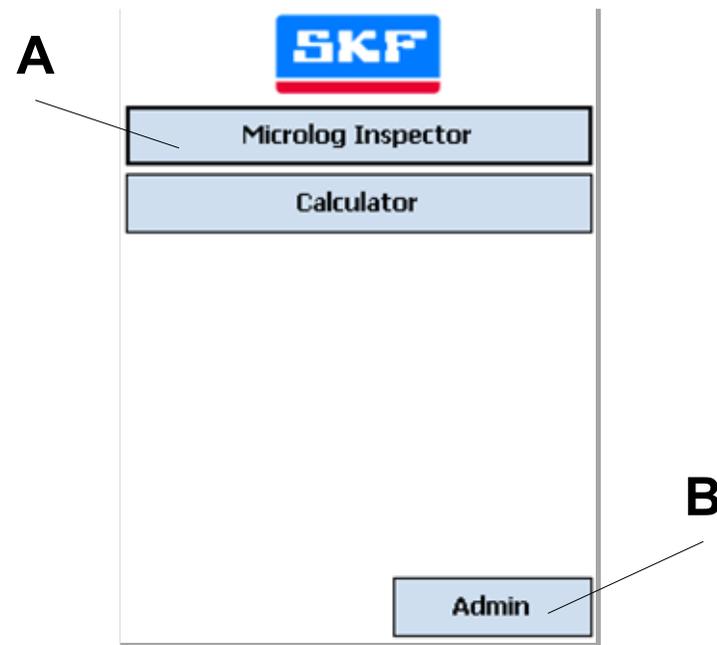
Inspector Secure

Technical Details

- All side buttons set for scanning after running application

- Handles warm/cold boots

- Clean boot removes app (like MI)

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Inspector Secure

Quick Start:

- C. Goes back to the Apps screen

- D. Specifies the Exit password

- E. Launched Keyboard

- F. Exits (if password is correct)

SKF Inspector Secure 1.0.0.7
CMDM 6600

Exit password

D

E

C

F

Back ... Exit

SKF®
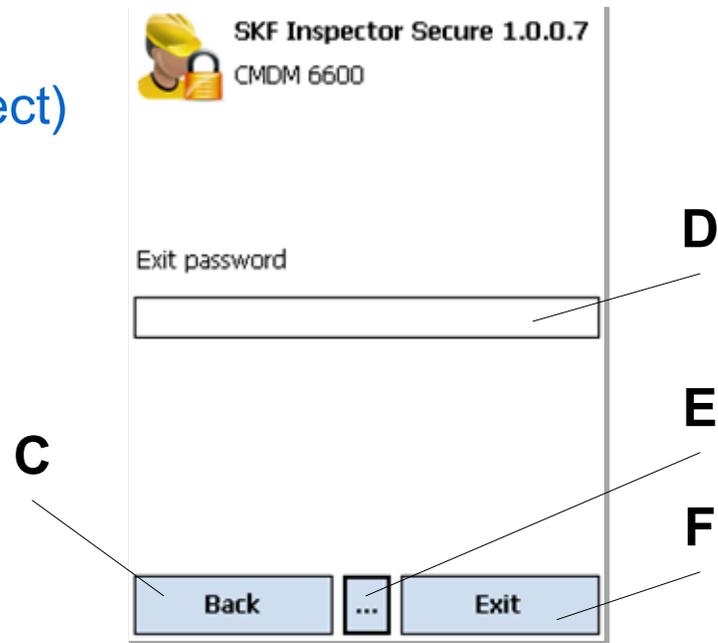
4

ROUTE Instructions

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ROUTE Instructions

- Configured in @ptitude's ROUTE properties

- Was available in MARLIN, added back into MI…

- Instead of a Hierarchy node, it's available from ROUTE screen via an icon

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ROUTE Instructions

- Available to click

- If user doesn't click on icon, instruction automatically shows…
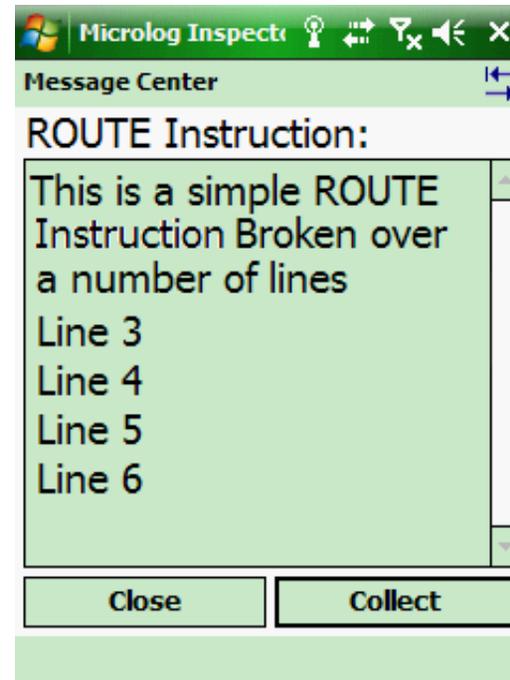
5

Inspection History

Inspection History

Allows user to see previous inspection results
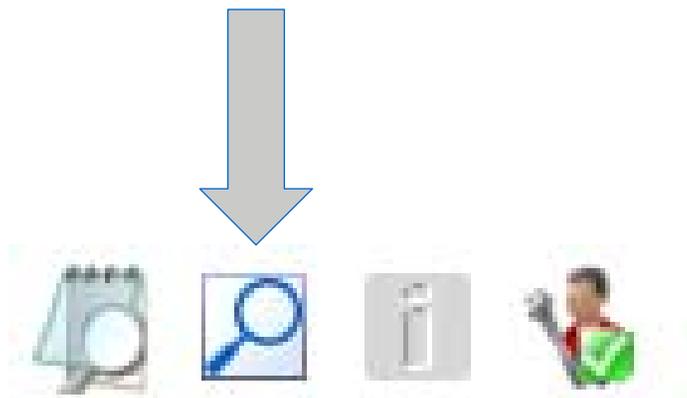
6

Database Backup and Restore

Database Backup and Restore

- Available under Settings > Database
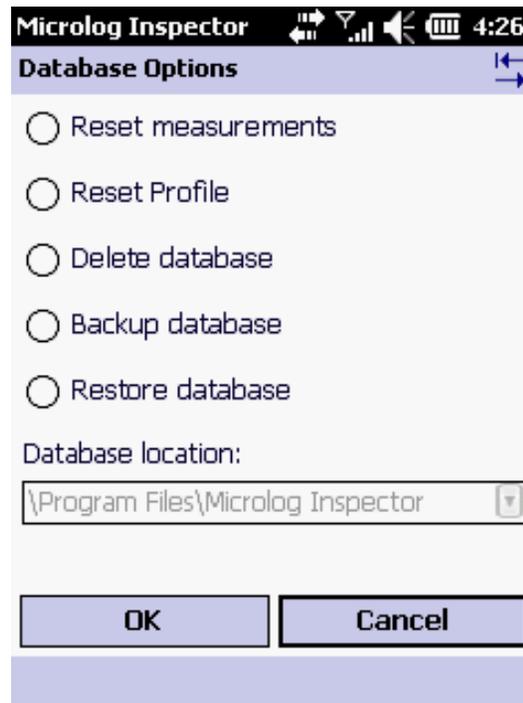
Database Backup and Restore

What is Backed Up?

The entire database with the exception of the photos are saved to a single file (similar to an *.MAB file)

Where is the Archive Saved?

Only one archive file is allowed on the handheld and that file will typically be saved to the Flash drive with the largest amount of free memory. For handhelds that do not have a Flash drive, the Archive will be saved to the root of the main drive.

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Database Backup and Restore

Limitations of the Archive:

As any backup can be considered as a snapshot of the database at a moment in time, elements such as passwords or media files cannot be included.

Backward Compatibility:

It will <u>not</u> be possible to restore an archive saved under newer version to an older version of MI

SKF
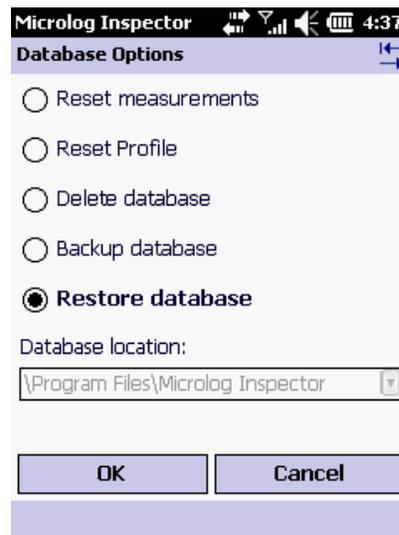
Database Backup and Restore

To Backup

- Select "Backup database" and click OK
- Click "Yes" to proceed
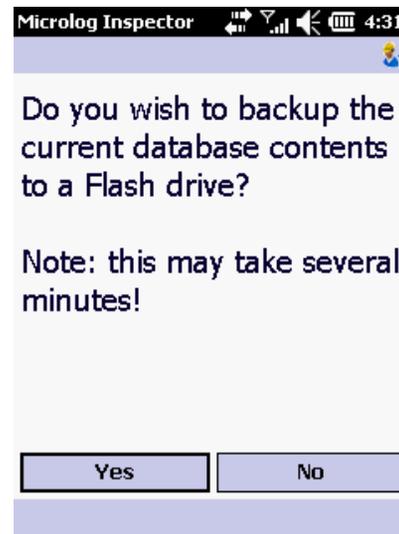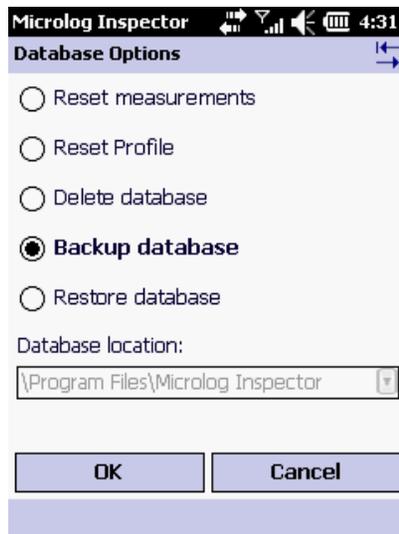
Database Backup and Restore

To Restore

- Assuming there is a backup, "Restore database" will be available
- Select "Restore database", click "OK" and "Yes"
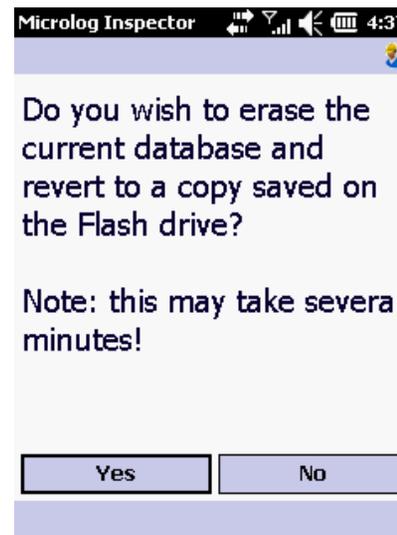
Database Backup and Restore

After restoring…

- All users are dropped to "Review" level

- The user should immediately sync to regain all functionality

- This is done since the operators could be out of sync and the purpose of backup and restore to restore measurements mainly…

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Database Backup and Restore

When to use this?

- If device can't communicate and requires a clean boot to resolve:

    - Clean boot wipes device

    - Use backup before clean boot

    - Clean boot

    - Install MI and sync once

    - Do a restore

    - Sync to upload data

    - Done

- Customers will probably never use this…

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7
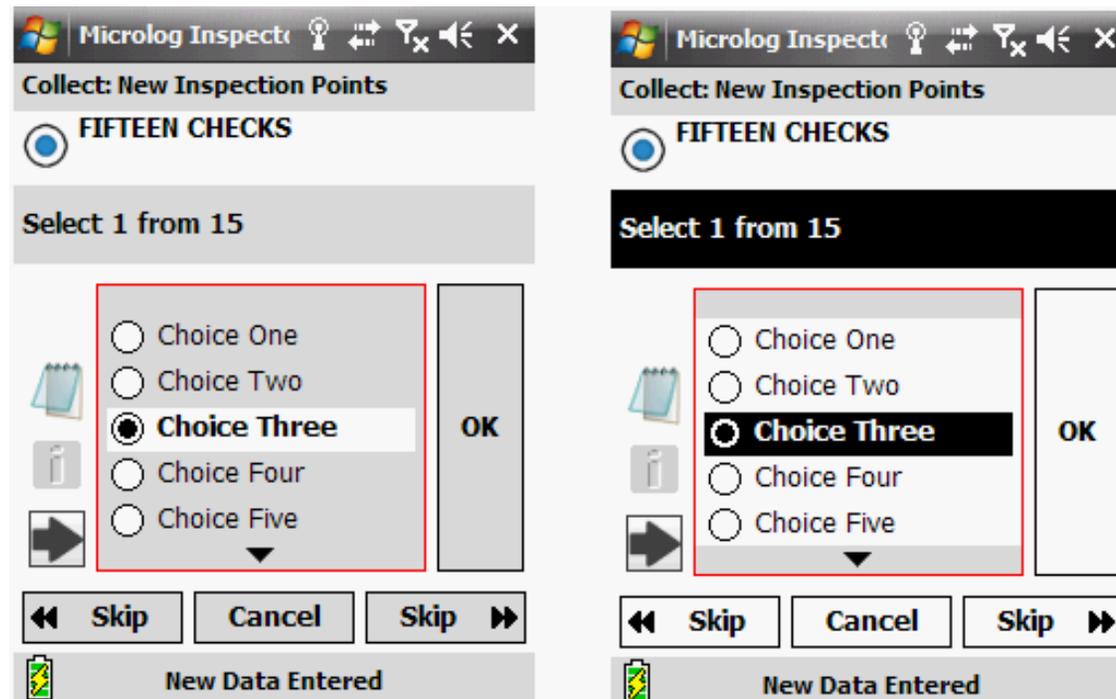
Machine Name on POINT

Machine Name on POINT
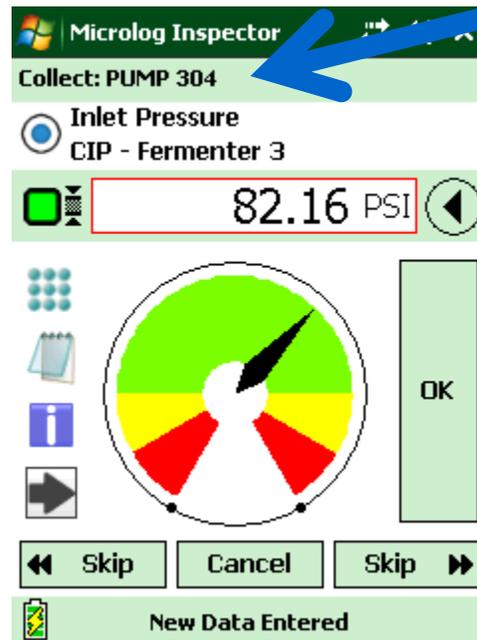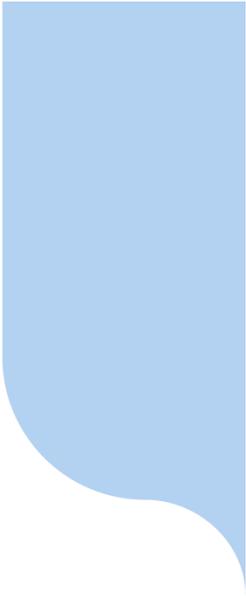
8

High Contrast Mode

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High Contrast Mode

- Operator preference (not available in @ptitude but syncs with the operator to any device)
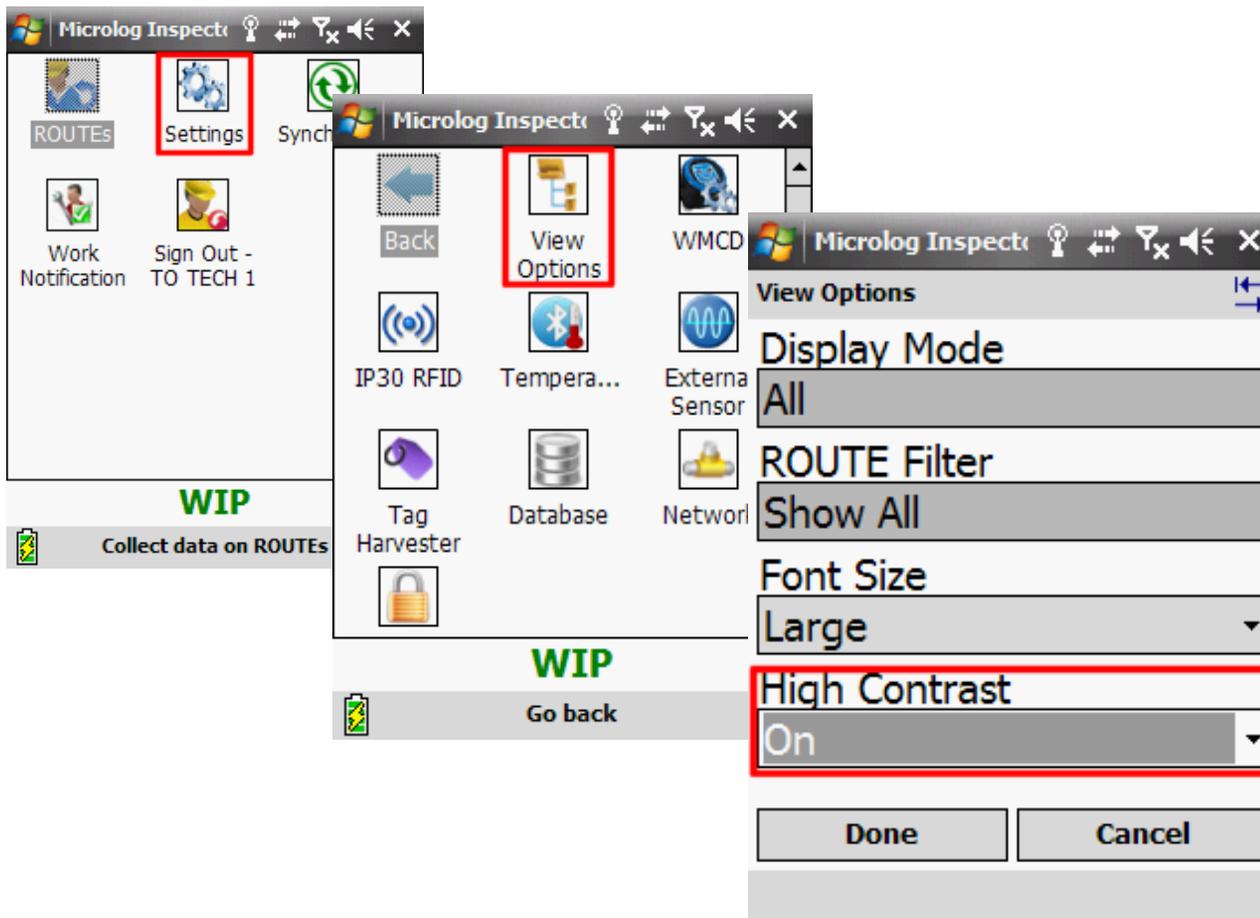
High Contrast Mode

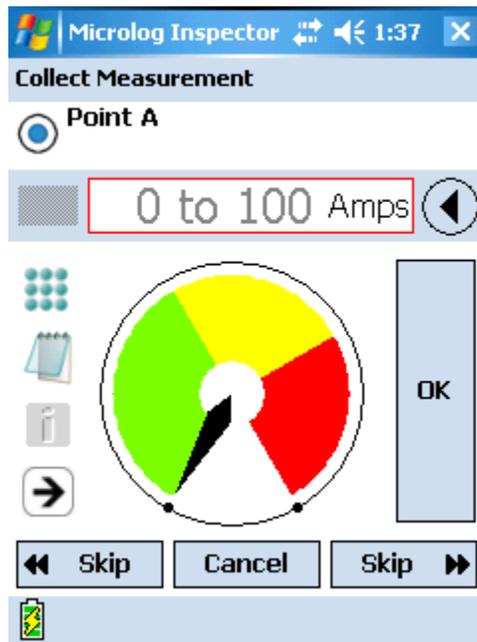- Most data collection screens now invert background for easier use in bright light

9

POINT Toolbar

POINT Toolbar

- Button that shows more buttons… (will allow us to add more features…) (this icon is out of date… and OPC isn't available…)
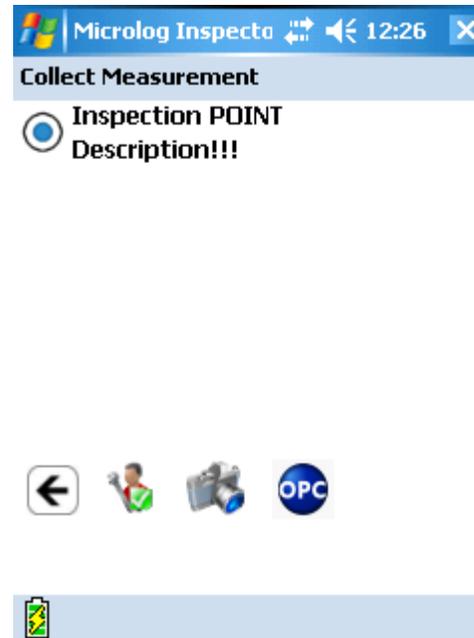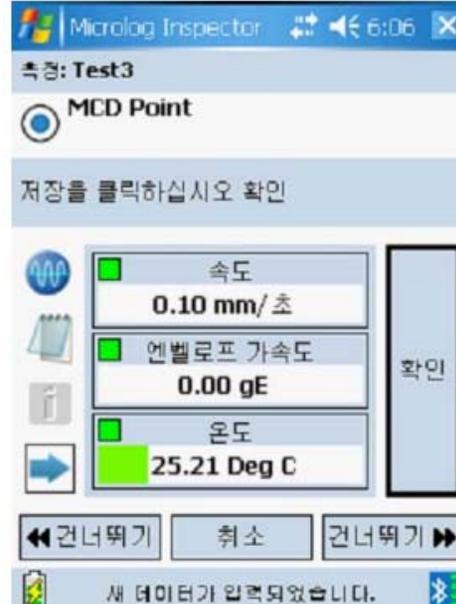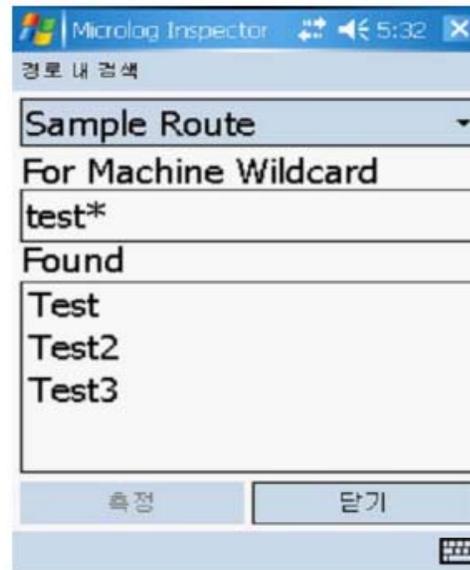
10
Search Option (Korean Only!)

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Search

- Allows you to find Machines by name in a ROUTE
- Can search using Wildcard "*" character

Beta Test

11

CMDM 5700

CMDM 5700

CMDM 5700

Part Numbers

- CMDM 5760-IS → Numeric Keypad, Barcode kit
- CMDM 5761-IS → QWERTY Keypad, Barcode kit

Next release…

- CMDM 5770-IS → Numeric Keypad, LF RFID kit
- CMDM 5771-IS → QWERTY Keypad, LF RFID kit
- CMDM 5780-IS → Numeric Keypad, HF RFID kit
- CMDM 5781-IS → QWERTY Keypad, HF RFID kit

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CMDM 5700

- Requires 1.4.4.1+

- Inside the Atex body is a CMDM 6700 (Intermec CN3e)

But…

- No MCD/Vibpak support (there's no Atex RS232 connector available from Ecom)

- No IP30 RFID support (internal RFID support coming next release from us)

- Uses a different docking station…

- Has a different barcode scanner type (laser)…

- Has a different Ethernet adapter…

- Cold boot (and clean boot procedure) different (easier)

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CMDM 5700 – Ethernet Adapter

- Plugs into the Micro USB port that you normally use for ActiveSync

- Requires a driver to be installed

- Once driver is installed, ActiveSync will not work unless you run Programs > Portsmith > Launch ActiveSync **EVERY TIME YOU WANT TO USE USB**

- Driver and installation procedure available

  - In the Field Service Manual:

  - Microlog Inspector Wiki starting with release 1.4.4.1:

    - \\w0121\common\Users\T. Bottalico\Microlog Inspector Wiki\index.html

    - Can send a DVD over

    - FTP (but a bit large because of OS images…)

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CMDM 5700 – Ethernet Adapter

CMDM 5700 – Cold Boot Procedure

- Being an ATEX device, access under the battery requires a special tool (torx wrench) so Ecom made reset buttons on the keypad

- Press and hold both until reset for Cold boot

CMDM 5700 – OS Requirements

- Use OS Verifier tool (MI Wiki has it) if OS is questionable (more for production and repairs…)

12
CD update

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CD Update

Fin

Questions??

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