

# **Appendix A**

## **Important Information**

Prosurv cEZ is set by default to store your new jobs to the \My Documents\Jobs\ folder of your Pocket PC. However, this memory *is* volatile, in that data loss is possible if your batteries run down.

For this reason, it is **highly recommended** that you store your jobs directly to a **Compact Flash** or **Secure Digital (SD) card**. **First, you will need to have the card in your Pocket PC. Next, you should change the ProsurvCE\_Defaults.txt file (see Appendix B) so that the default storage folder is your non-volatile card.**

For example, if you have an SD card in your Pocket PC, then the first line in the ProsurvCE\_Defaults.txt file should be:

**DefaultFolder= \Storage Card\Jobs\**

If you have a Compact Flash card, then the first line should read:

**DefaultFolder= \CF StorageCard\Jobs\**

Generally in Windows CE, a card is simply identified by it's path name. You can use ActiveSync to verify the path name of the card, as shown above.

Also, it is recommended that you perform regular backups of your Prosurv cEZ Job Files.

**To edit your ProsurvCE\_Defaults.txt file, copy the file from your Pocket PC to your PC using Microsoft ActiveSync. Then edit the file as needed. The ProsurvCE\_Defaults.txt file is located in the \Program Files\Prosurv cEZ\ folder of your Pocket PC.**

**Finally, copy the file back to your Pocket PC by pasting it into the \Program Files\Prosurv cEZ\ folder. You should be asked if you want to overwrite the file...answer Yes.**

# **Appendix B**

## **ProsurvCE Defaults.txt File**

Below is an example of the ProsurvCE\_Defaults.txt file. An explanation of certain items follows the example.

```
DefaultFolder=\My Documents\Jobs\  
Instrument=5  
DAL=3  
DALTolerance=0.003  
ComPort=1  
CoarseFine=1  
HTolerance=5  
VTolerance=5  
DCScale=1.0  
Elevations=On  
Units=3  
DecimalsCoor=3  
DecimalsAngle=0  
DecimalsDistance=3  
Stations=1  
Target=5.0  
FCPopUpNumber=16  
FCPopUp=1  
FCSep=_  
CCSep=  
FCAutoStore=2  
FCAttributes=1  
SDMSChr=18  
FCPopUpCode=XYZ  
FCPopUpCode=TC  
FCPopUpCode=FL  
FCPopUpCode=EG  
FCPopUpCode=DTCH  
FCPopUpCode=BL  
FCPopUpCode=EC  
FCPopUpCode=CL  
FCPopUpCode=EBS  
FCPopUpCode=EB  
FCPopUpCode=FBW  
FCPopUpCode=BM
```

FCPopUpCode=MON  
FCPopUpCode=LOT  
FCPopUpCode=RR  
FCPopUpCode=CP  
StakeoutAutoCode=None  
StakeoutAutoCode=Hub  
StakeoutAutoCode=Hub & Tack  
StakeoutAutoCode=Lath  
StakeoutAutoCode=Stake  
StakeoutAutoCode=Rebar  
StakeoutAutoCode=Rebar & Cap  
StakeoutAutoCode=Monument  
StakeoutAutoCode=Alum Cap  
StakeoutAutoCode=Brass Cap  
StakeoutAutoCode=Iron Pipe  
StakeoutAutoCode=Nail  
ACS=Road1:XYZ,FLG1,EB1,CL1,EB2,FLG2,XYZ  
ACS=Road2:FBW1 XYZ,FLG1,EB1,CL1,EB2,FLG2,FBW2 XYZ  
ACS=Break1:BL1,BL2  
ACS=Break2:BL1,BL2,BL3  
ACS=Ditch1:XYZ,BL1,FLG1,BL2,XYZ  
ACS=Ditch2:XYZ,BL1,FLG1,FLG2,BL2,XYZ  
ACS=Headwall1:XYZ,HDWL1,HDWL2,XYZ  
MainF1=2  
MainF2=20  
MainF3=22  
MainF4=12  
MainF5=13  
MainF6=23  
MainF7=24  
MainF8=34  
MainF9=4  
MainF10=65  
DCF1=9  
DCF2=10  
DCF3=14  
DCF4=5  
DCF5=8  
DCF6=6  
DCF7=17  
DCF8=20  
DCF9=11  
DCF10=27  
SpiralStep=0.35  
SDMSCMOutput=0  
Bluetooth=0

ACS=easytest:FL1,FL2,FL3  
SaveTimer=4

- **DefaultsFolder** All new jobs will default to being created in this folder
- **Instrument** Enter your default instrument here:
  1. Manual Mode
  2. Lietz Set
  3. **Topcon GTS series**
  4. **Sokkia or Nikon in 'Set' emulation**
  5. **Sokkia 2-way communication**
  6. **Wild T-2000\***
  7. Nikon
  8. Leica
  9. **Zeiss R45/50/55\***
  10. **Pentax PTS-V/600\***
  11. **Pentax PCS-200/300/DA\***

**\*Not currently supported in Prosurv cEZ**

- **Digital Auto Level** 1 for Sokkia, 2 for Topcon, 3 for Leica
- **DAL Tolerance** Set the Tolerance used to check manual entries for Top, Middle, Bottom wire in DAL routines
- **ComPort** Communications port for connection to instrument (1-16)
- **CoarseFine** Select Coarse or Fine mode for distance 'shooting'
- **HTolerance** Horizontal Angle Tolerance amount (Face 1/Face 2)
- **VTolerance** Vertical (Zenith) Angle Tolerance amount (Face 1/Face 2)
- **DCScale** Default Scale Factor in Data Collection, should always be 1
- **Elevations** On or Off by Default
- **Units** Measurement & Coordinate Units: 1=Int'l Foot, 2=Metric, 3=US Foot
- **Stations** Standard Stationing (432+85.19) set to 1 or Highway Stationing (43+285.19) set to 2
- **Target** You can set a 'default' target height for that commonly used rod
- **FCPopUpNumber** Number of Pop-Up Quick Codes to use
- **FCPopUp** On (1) or Off (2) by default
- **FCSep** Feature Code Separator
- **CCSep** Control Code Separator
- **FCAutoStore** Automatically store new codes to Pop-Up list (1=On, 2=Off)
- **FCAtributes** 0=Off, 1=On
- **FCPopUpCode** Define up to 16 pop up codes
- **StakeoutAutoCode** Define up to 50 Auto Codes used when Recording

staked points	
• <b>ACS</b>	Define up to 50 pre-defined sequences for Cross Sectioning
• <b>MainF1</b>	Define the 10 F-keys for the Main Menu
• <b>DCF1</b>	Define the 10 F-keys for the Data Collection Menu

# Appendix C

## Instrument Parameters

Instrument	Baud Rate	Parity	Data Bits	Stop Bits	Handshk
Lietz	1200	None	8	1	RTS
Topcon	1200	Even	7	1	None
Sokkia*	1200	None	8	1	None
Sokkia 2 way	1200	None	8	1	None
Wild T2000	2400	Even	7	1	None
Nikon	4800	None	8	1	None
Leica	2400	Even	7	1	None
Topcon 800	9600	None	8	1	None

**The following instruments support Auto-zero set:**

- **Sokkia's with two way communication**
- **Leica**
- **Nikon**
- **Wild T-2000**
- **Pentax (when selecting PTS-V and PTS-600)**
- **Zeiss**
- **Topcon 800 AR Robotic**

Prosurv cEZ will instruct the following instruments to use the units currently set in Prosurv cEZ's Ctrl-Z dialog:

- **Leica**
- **Sokkia SDL 30 Digital Auto Level**
- **Topcon DL100 Series Digital Auto Level**

Nikon instruments will always measure in Foot distances when using Prosurv cEZ. Be sure not to change to meters in your instrument. Instead, simply tell Prosurv cEZ what units you'd like to use for your job by setting the units in the Ctrl-Z dialog. Then, if your job is in Metric, the shot will be converted to meters automatically in Prosurv cEZ, even though the instrument measured the distance in feet.

Instrument	Instrument Setting	Instrument Pinout	Prosurv CE 9-pin pinout
Lietz (Older Sokkia's)	Lietz Set	3 SD 4 RD 1 SG	2 RD 3 SD 5 SG
Sokkia (One way com. & Nikon in emulation mode)	Sokkia	3 SD 4 RD 1 SG	2 RD 3 SD 5 SG
Sokkia Two way com.	Sokkia 2-way	3 SD 4 RD 1 SG	2 RD 3 SD 5 SG
Topcon (GTS Series)	Topcon GTS 300 Series	3 SD 4 RD 1 SG	2 RD 3 SD 5 SG
Nikon in Sokkia emulation mode	Sokkia	2SD 1 RD 5 SG	2 RD 3 SD 5 SG
Sokkia SDL-30 DAL	Sokkia 2-way	3 SD 4 RD 1 SG	2 RD 3 SD 5 SG
Nikon A-10 (older model only)	Nikon	2 SD 1 RD 5 SG	2 RD 3 SD 5 SG
Wild T-2000	Wild T-2000	5 SD 4 RD 3 SG	2 RD 3 SD 5 SG
Any Nikon in Nkn Rs mode*	Nikon	2 SD 1 RD 5 SG	2 RD 3 SD 5 SG
Any Leica	Leica	5 SD 4 RD 3 SG	2 RD 3 SD 5 SG