

Z-Xtreme RTK DTM Stakeout - Workflow with TDS Survey Pro CE DXF to DTM file conversion using TDS Survey Link

Start | Programs | TDS Survey Works | Survey Link...

Survey Link | Conversions | <u>Generate DTM form DXF...</u>

nerate DTM	from DXF	×
	n will extract the 3D surface model from a DX e a DTM file for staking out with the TDS poftware.	ïF file
Input File:	C:\DATA2003\InterState-Rock\topCla Choose DXF File	Generate Close
Output File:	C:\DATA2003\InterState-Rock\TOPC Choose DTM File	R



<Click> Generate button...



<Click> OK... <Click> Close button...

Generate

Survey Link | Transfer | Send / Receive...

Transfer	×		
Send Receive			
Which Data Collector or Total Station Is Used: TDS Data Collector - CE (Ranger and Pocket PC) 💌			
What File Do You Want to Send?	What Are You Sending?		
c:\data2003\interstate-rock\topclay.dtm	File Type:		
Choose File	TDS DTM stakeout file		
Rename File on Data Collector	🗖 Send template files.		
Rename File to: TOPCLAY.DTM	0.5.4.5		
	Entire File Block of Points		
Save Copy of SDR Data Sent (on PC)	From Point: 1		
Save File:	To Point: 1		
Choose File	TO FOIL		
Note: Use this tab to send files FROM your PC to your Data Collector or Total Station.			
Hint: Set your Data Collector up to 'Receive' a file.			
Send Close Stop	Setup Help		

<click> Select Send button....

Ranger with TDS Survey Pro CE | [1] File | [F] Transfer

<tap> "Receive File"...

Ranger dialog: Receiving a file...



Survey Pro CE **Save As** menu, specify Type: All Files (*), Name: **TOPCLAY.DTM**

<tap> **OK**...

At the project site - Setup RTK Base and Rover equipment with your typical field procedures....

Note: The coordinate system used to control the RTK and the design surface must be the same in order for the DTM stakeout feature to function properly. If the coordinates are different, the DTM stakeout feature cannot relate the two surfaces together.

RTK Rover with TDS Survey Pro CE <tap> Map View icon...



Screen capture from Ranger – View Map... <tap> **Close...**

RTK Rover w/TDS Survey Pro CE | [4] Stakeout | [K] Stake DTM...

Navigate RTK Rover around on project site, Survey Pro CE's Stake DTM feature will indicate Cut / Fill data for all locations RTK Rover visits within the DTM stakeout area on the project.



Example of DTM Model