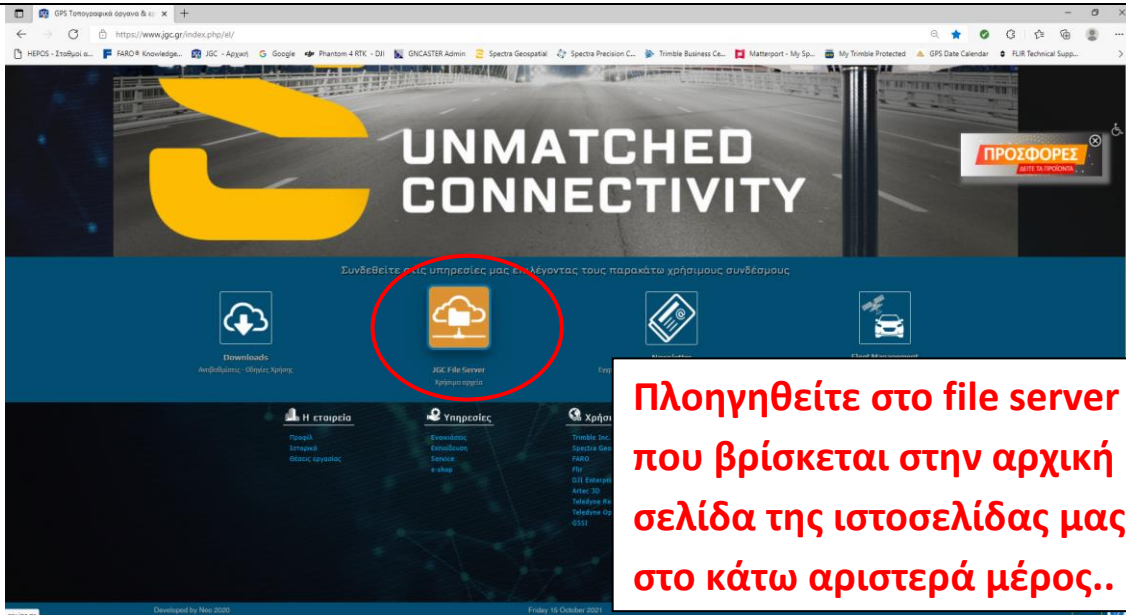
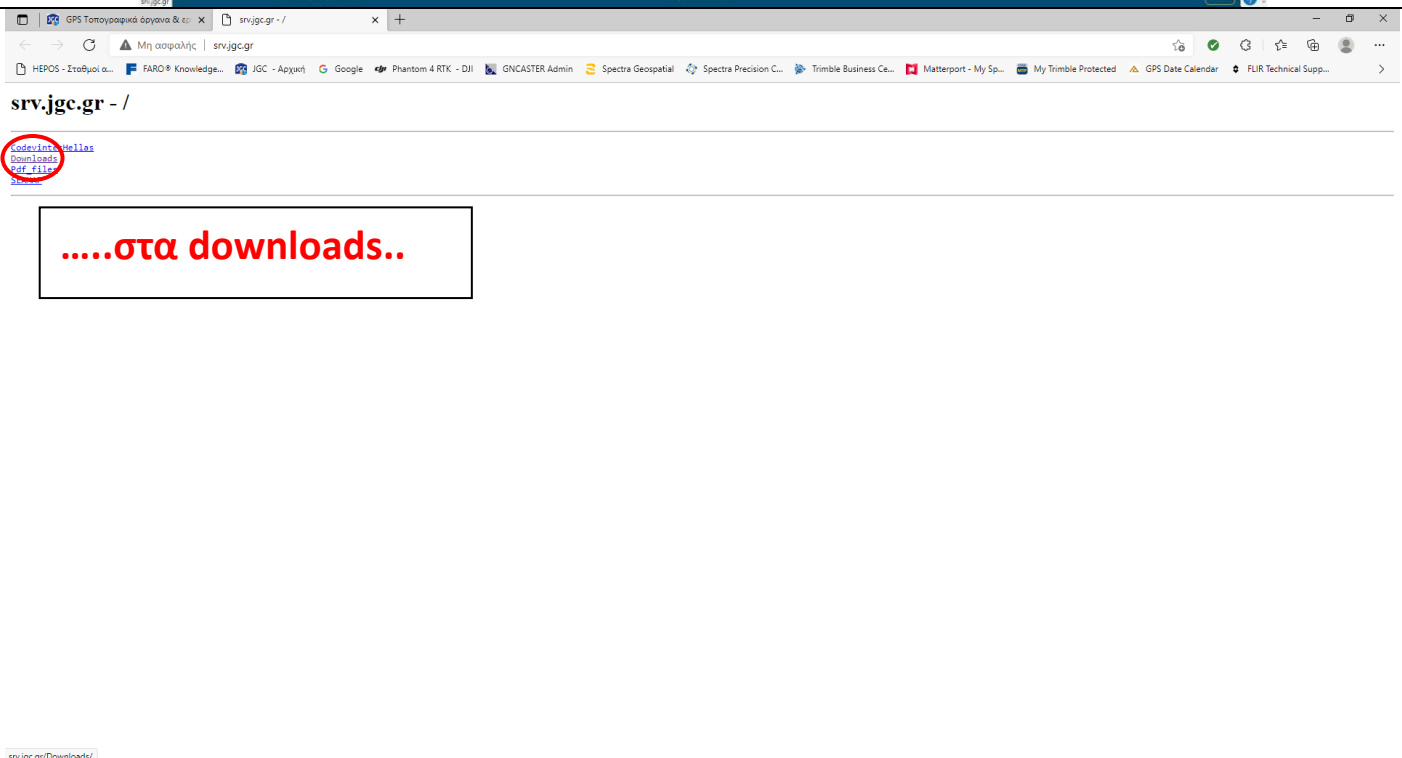


Αρχικές ρυθμίσεις με SP85 ή SP60 για RTK σύνδεση στο JGC-Net με το Origin

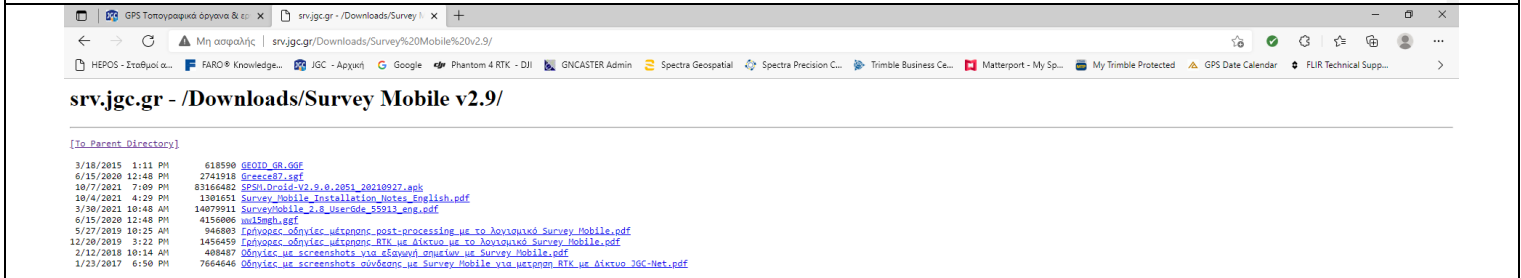


Πλοηγηθείτε στο file server που βρίσκεται στην αρχική σελίδα της ιστοσελίδας μας, στο κάτω αριστερά μέρος..



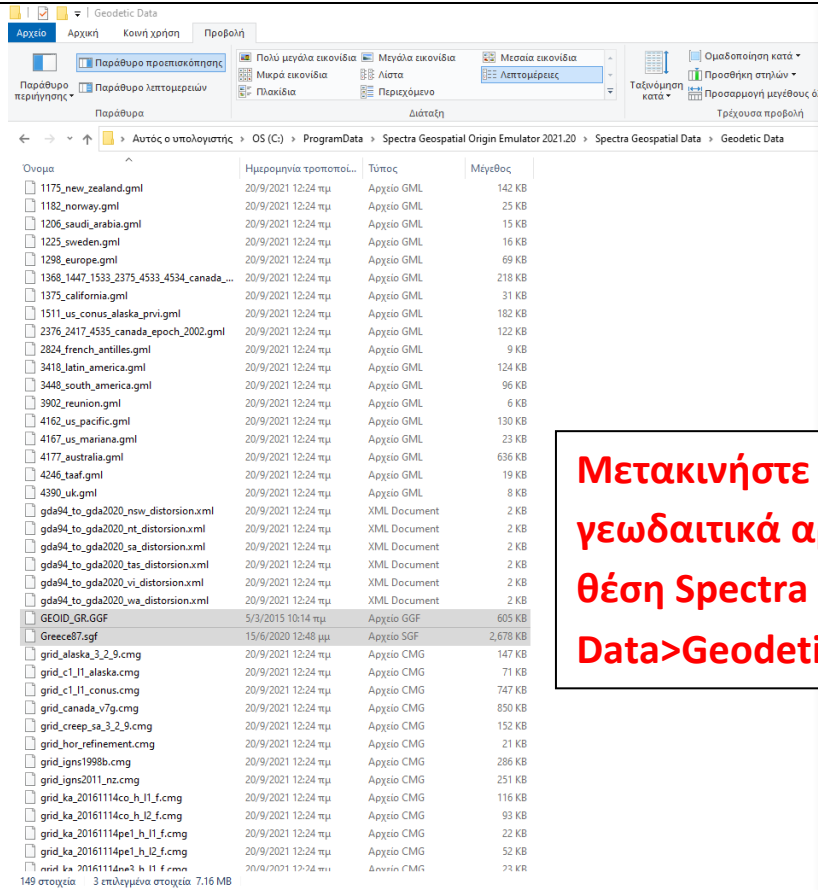


...στον φάκελο Spectra Geospatial Data...



Κατεβάστε:

- **GEOID_GR.GGF**
- **Greece87.sgf**
- **ww15mgh.ggf**

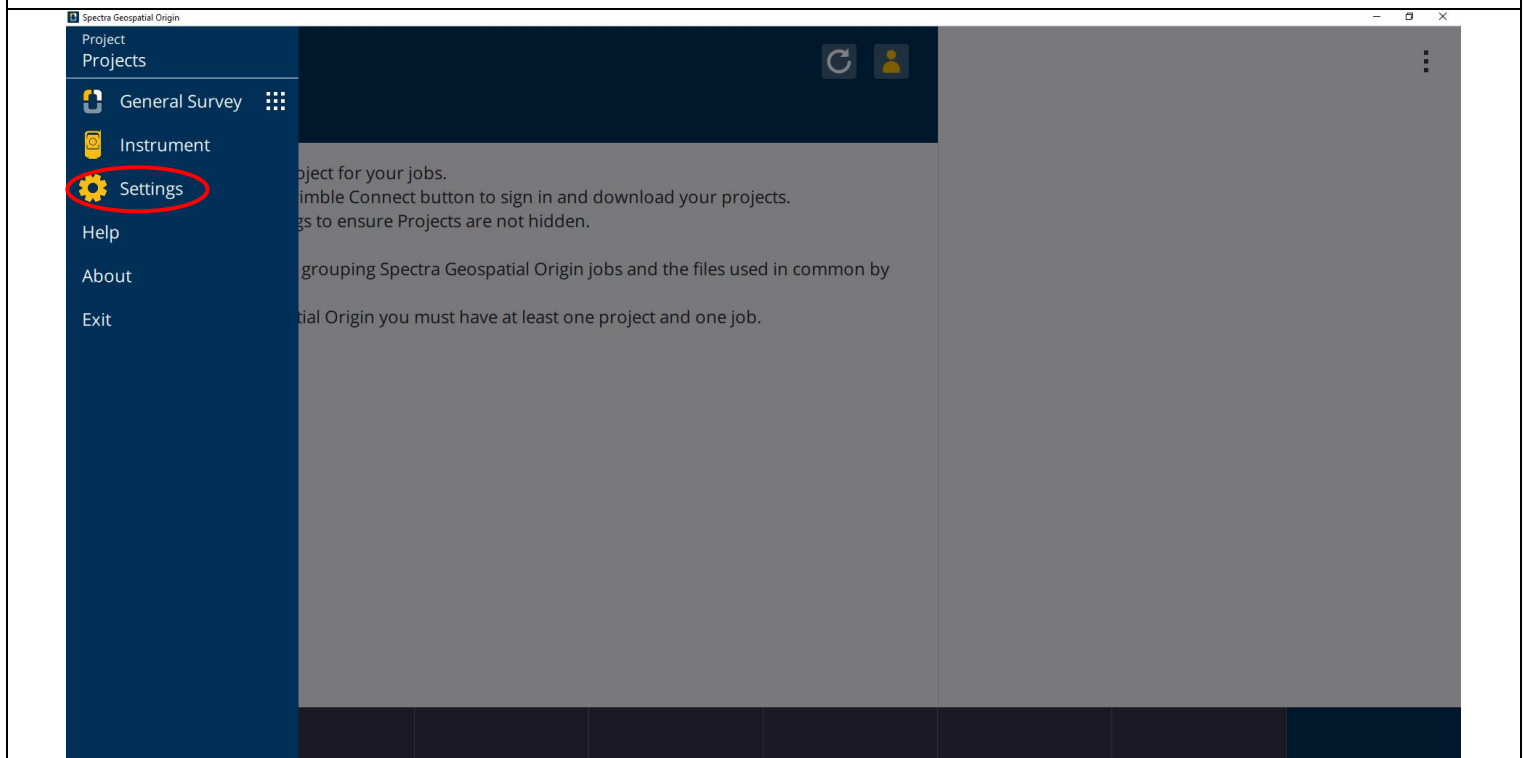
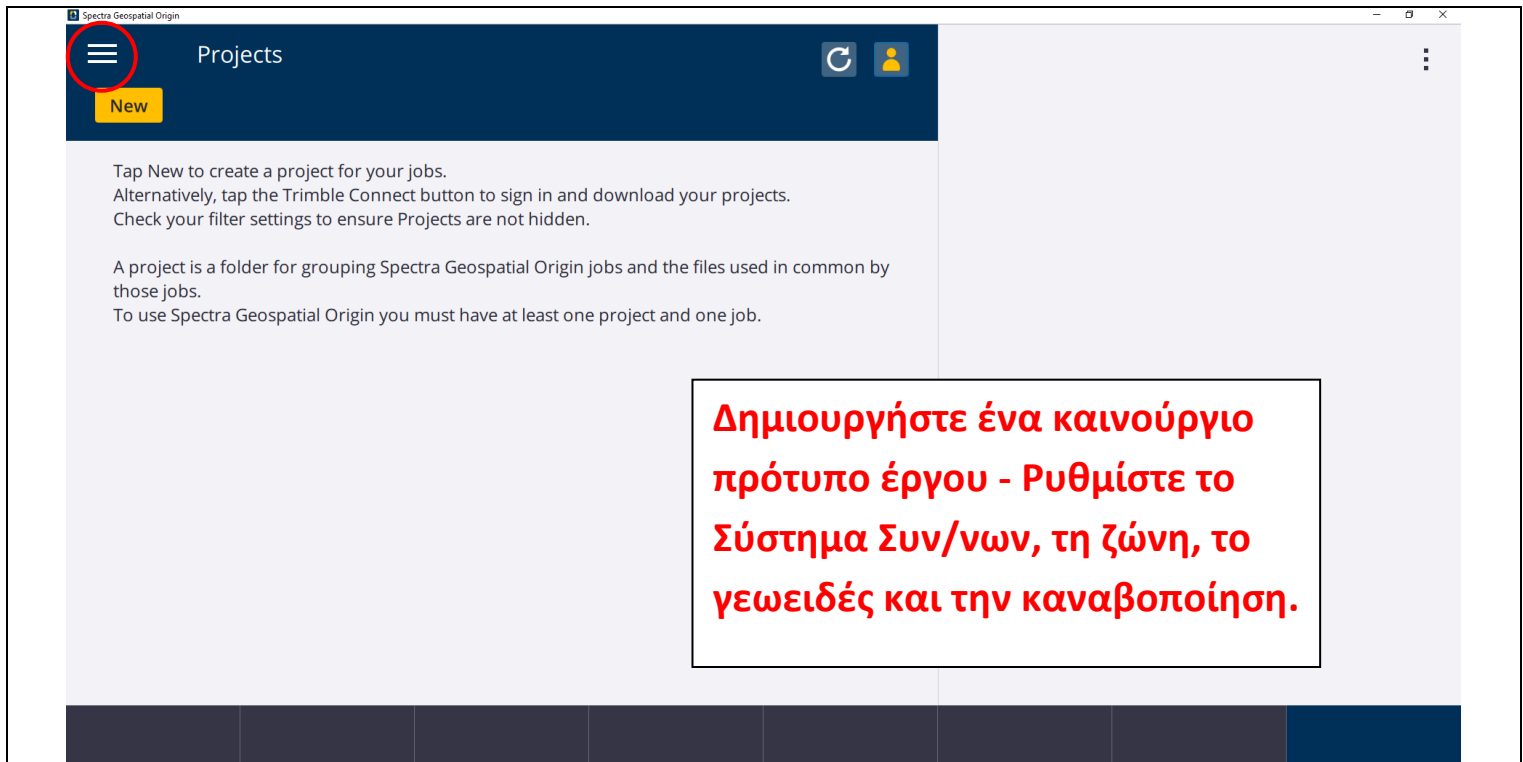


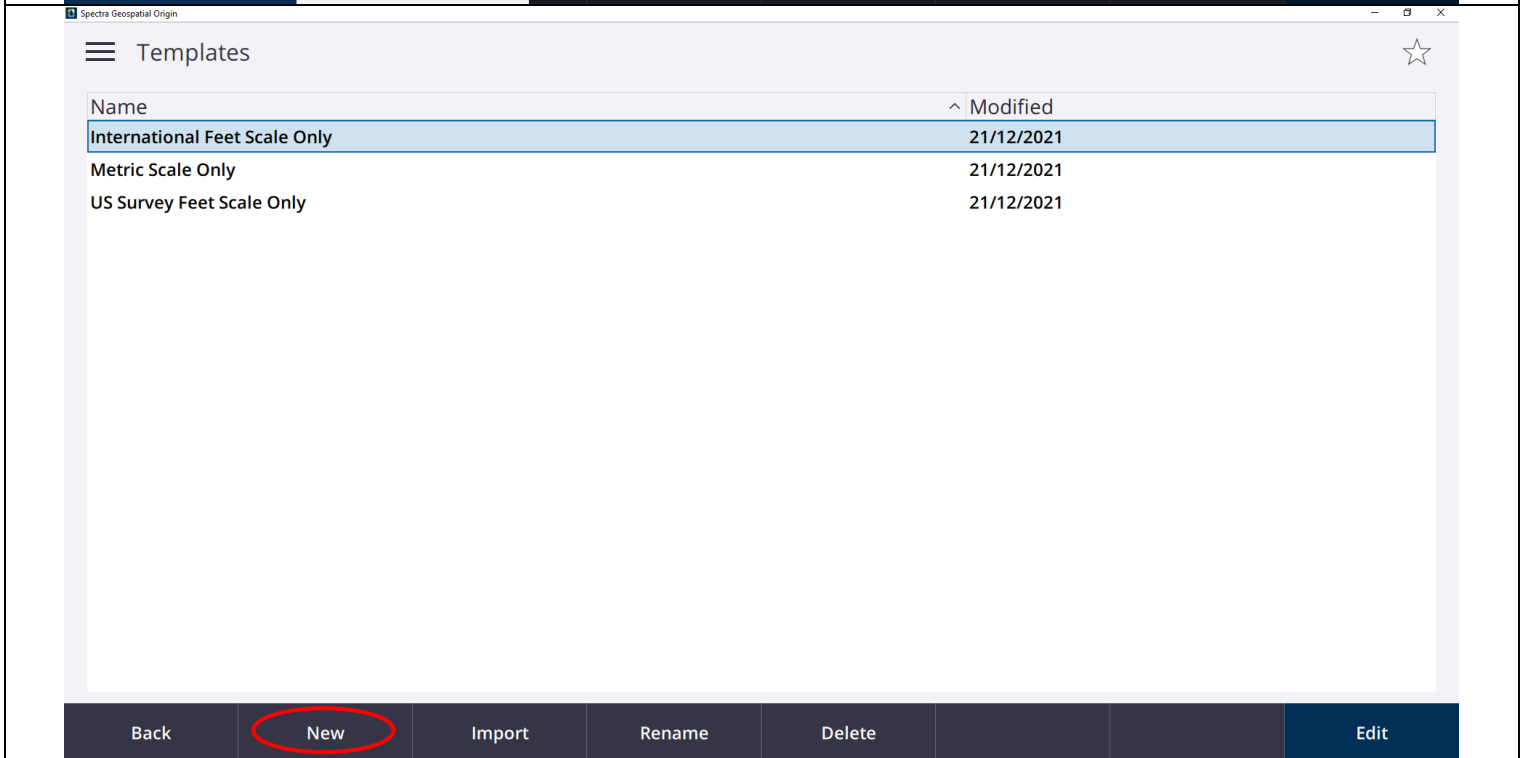
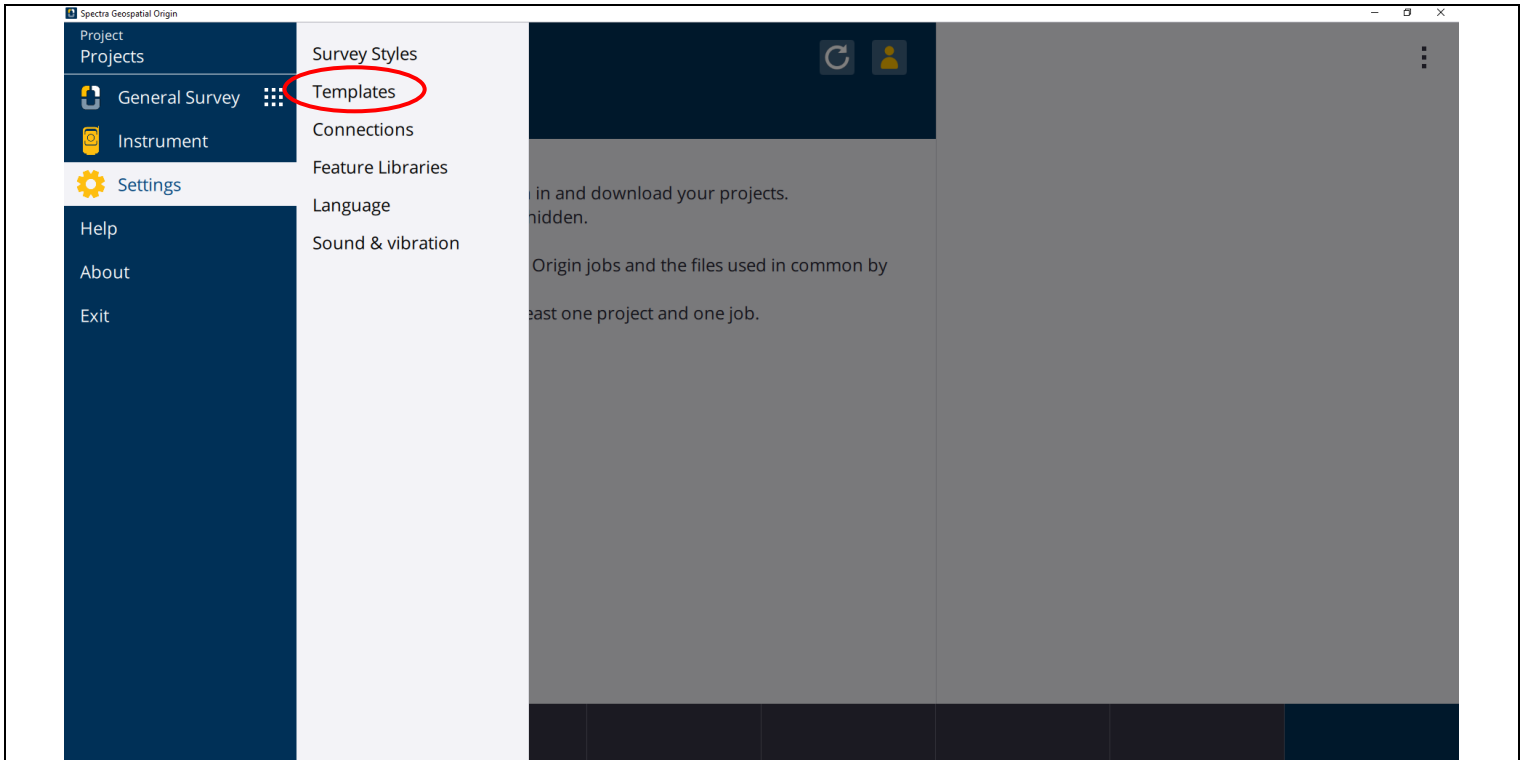
Όνομα	Ημερομηνία τροποποι...	Τύπος	Μέγεθος
1175_new_zealand.gml	20/9/2021 12:24 πμ	Αρχείο GML	142 KB
1182_norway.gml	20/9/2021 12:24 πμ	Αρχείο GML	25 KB
1206_saudi_arabia.gml	20/9/2021 12:24 πμ	Αρχείο GML	15 KB
1225_sweden.gml	20/9/2021 12:24 πμ	Αρχείο GML	16 KB
1298_europe.gml	20/9/2021 12:24 πμ	Αρχείο GML	69 KB
1368_1447_1533_2375_4533_4534_canada...	20/9/2021 12:24 πμ	Αρχείο GML	218 KB
1375_california.gml	20/9/2021 12:24 πμ	Αρχείο GML	31 KB
1511_us_conus_alaska_priv.gml	20/9/2021 12:24 πμ	Αρχείο GML	182 KB
2376_2417_4535_canada_epoch_2002.gml	20/9/2021 12:24 πμ	Αρχείο GML	122 KB
2824_french_antilles.gml	20/9/2021 12:24 πμ	Αρχείο GML	9 KB
3418_latin_america.gml	20/9/2021 12:24 πμ	Αρχείο GML	124 KB
3448_south_america.gml	20/9/2021 12:24 πμ	Αρχείο GML	96 KB
3902_reunion.gml	20/9/2021 12:24 πμ	Αρχείο GML	6 KB
4162_us_pacific.gml	20/9/2021 12:24 πμ	Αρχείο GML	130 KB
4167_us_mariana.gml	20/9/2021 12:24 πμ	Αρχείο GML	23 KB
4177_australia.gml	20/9/2021 12:24 πμ	Αρχείο GML	636 KB
4246_taaif.gml	20/9/2021 12:24 πμ	Αρχείο GML	19 KB
4390_uk.gml	20/9/2021 12:24 πμ	Αρχείο GML	8 KB
gda94_to_gda2020_nsw_distorsion.xml	20/9/2021 12:24 πμ	XML Document	2 KB
gda94_to_gda2020_nt_distorsion.xml	20/9/2021 12:24 πμ	XML Document	2 KB
gda94_to_gda2020_sa_distorsion.xml	20/9/2021 12:24 πμ	XML Document	2 KB
gda94_to_gda2020_tas_distorsion.xml	20/9/2021 12:24 πμ	XML Document	2 KB
gda94_to_gda2020_vic_distorsion.xml	20/9/2021 12:24 πμ	XML Document	2 KB
gda94_to_gda2020_wa_distorsion.xml	20/9/2021 12:24 πμ	XML Document	2 KB
GEOID_GR.GGF	5/3/2015 10:14 πμ	Αρχείο GGF	605 KB
Greece87.sgf	15/6/2020 12:48 μμ	Αρχείο SGF	2,678 KB
grid_alaska_3_2_9.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	147 KB
grid_c1_i1_alaska.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	71 KB
grid_c1_i1_conus.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	747 KB
grid_canada_v7g.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	850 KB
grid_creep_sa_3_2_9.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	152 KB
grid_hor_refinement.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	21 KB
grid_igns1998b.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	286 KB
grid_igns2011_nz.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	251 KB
grid_ka_20161114co_h11_f.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	116 KB
grid_ka_20161114co_h12_f.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	93 KB
grid_ka_20161114pe1_h11_f.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	22 KB
grid_ka_20161114pe1_h12_f.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	52 KB
grid_ka_20161114pe2_h11_f.cmg	20/9/2021 12:24 πμ	Αρχείο CMG	22 KB

**Μετακινήστε τα 3
γεωδαιτικά αρχεία στη
θέση Spectra Geospatial
Data>Geodetic Data**

Τρέξτε το Origin.







Spectra Geospatial Origin

← New template ☆

Template name

Copy from

Properties

Coord. sys.	<input type="text" value="Scale: 1.0000000000"/>
Units (Dist.)	<input type="text" value="Meters"/>
Layer manager	<input type="text" value="None"/>
Feature library	<input type="text" value="None"/>
Cogo settings	<input type="text" value="Ground"/>
Additional settings	<input type="text" value="Off"/>
Media file	<input type="text" value="Previous point"/>
Reference	<input type="text" value="?"/>
Description	<input type="text" value="?"/>
Operator	<input type="text" value="?"/>
Notes	<input type="text" value="?"/>

Esc Enter

Spectra Geospatial Origin

☰ Select coordinate system

Select coordinate system

- Scale factor only
- Select from library
- Key in parameters
- No projection / no datum
- Broadcast RTCM

Esc Next



Spectra Geospatial Origin

Select coordinate system

System	Greece/TM87	Zone	HEPOS_GGRS87/TM87
Local datum	HEPOS_GGRS87 (7P)	Global reference epoch	2005.00
Global reference datum	WGS 1984	Tectonic plate	(Detect automatically)
Displacement model	ITRF2014	Geoid model	GEOID_GR
Shift grid file	Greece87	Coordinates	Grid
Use geoid model	<input checked="" type="checkbox"/> Yes		
Use datum grid	No		
Project height	0.000m		

Esc Key in **Store**

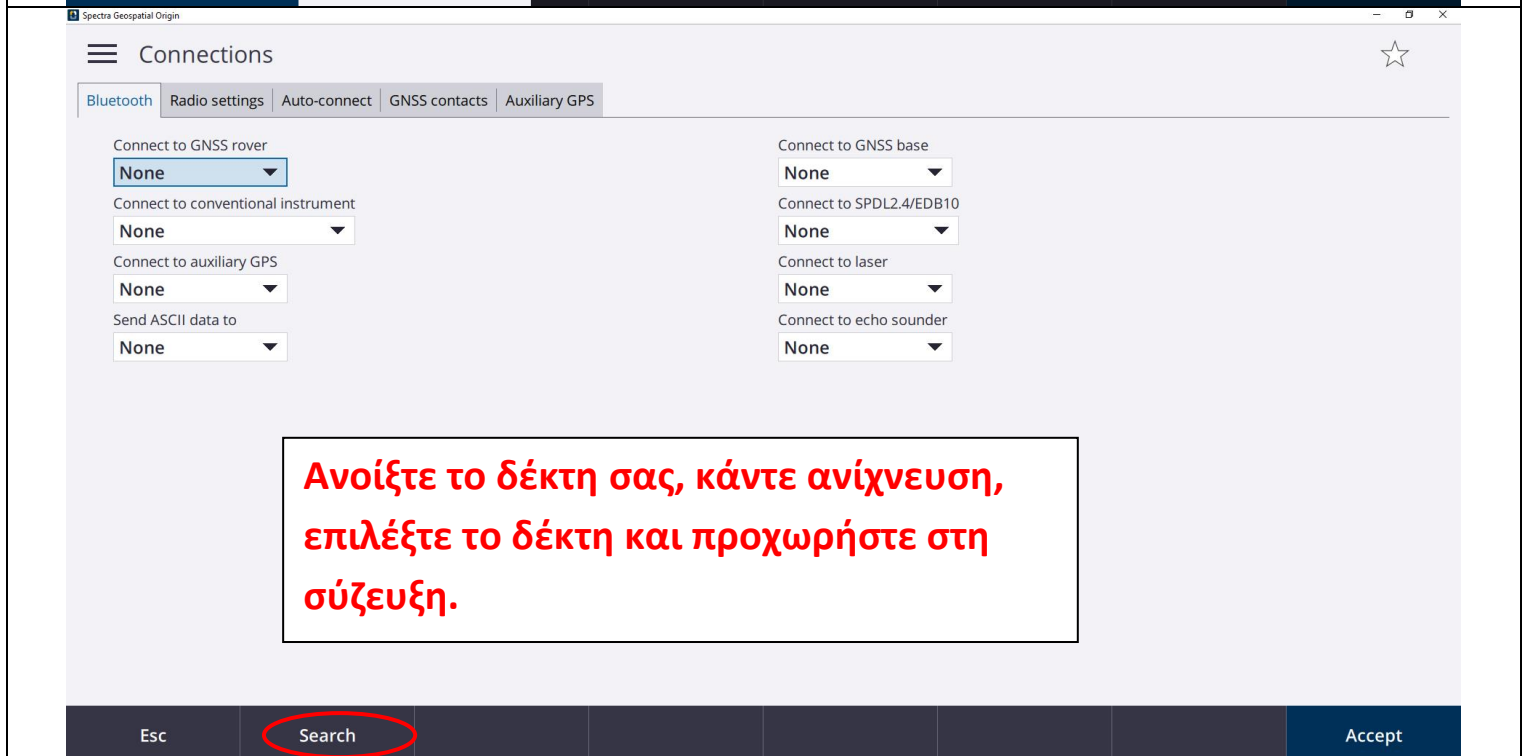
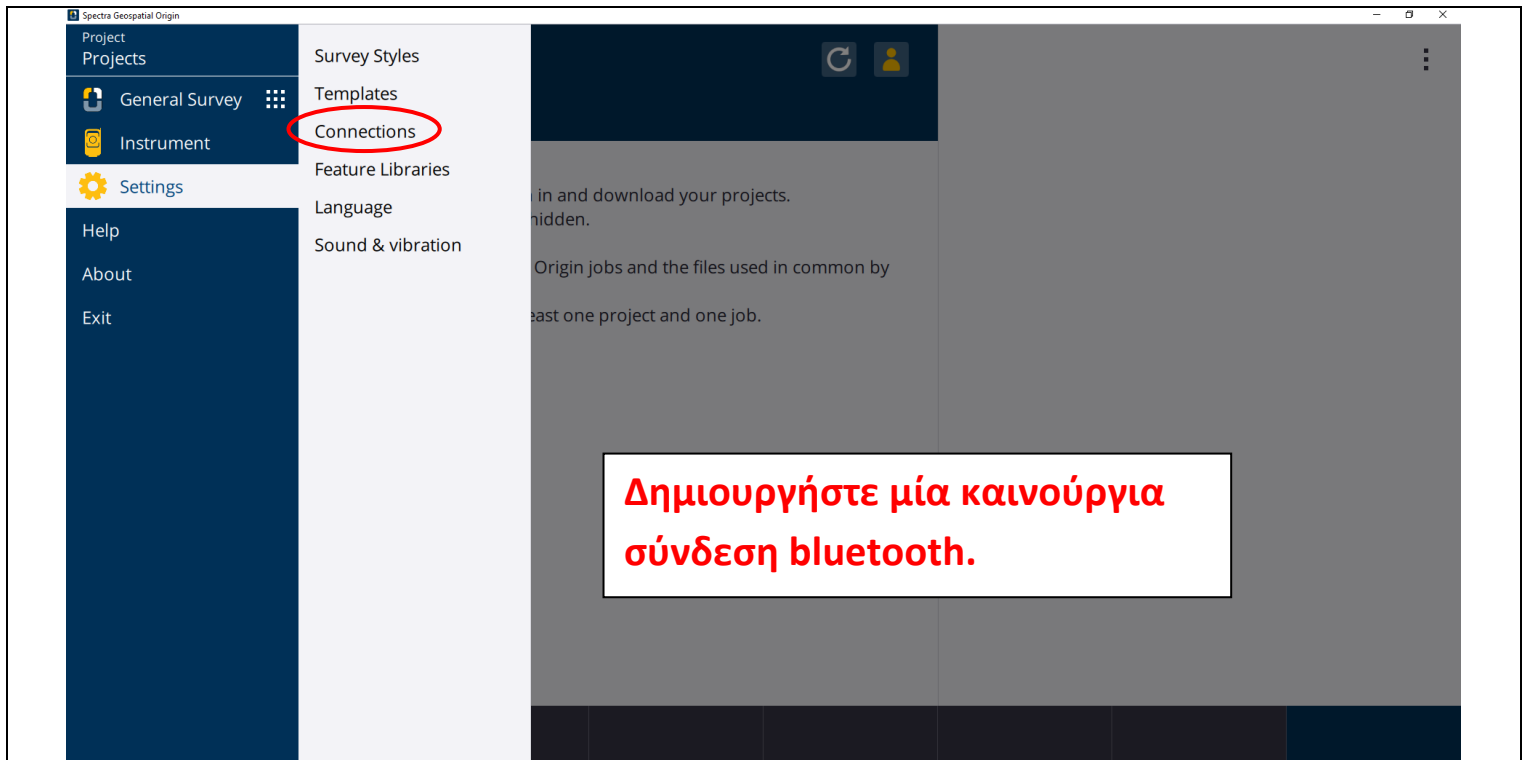
Spectra Geospatial Origin

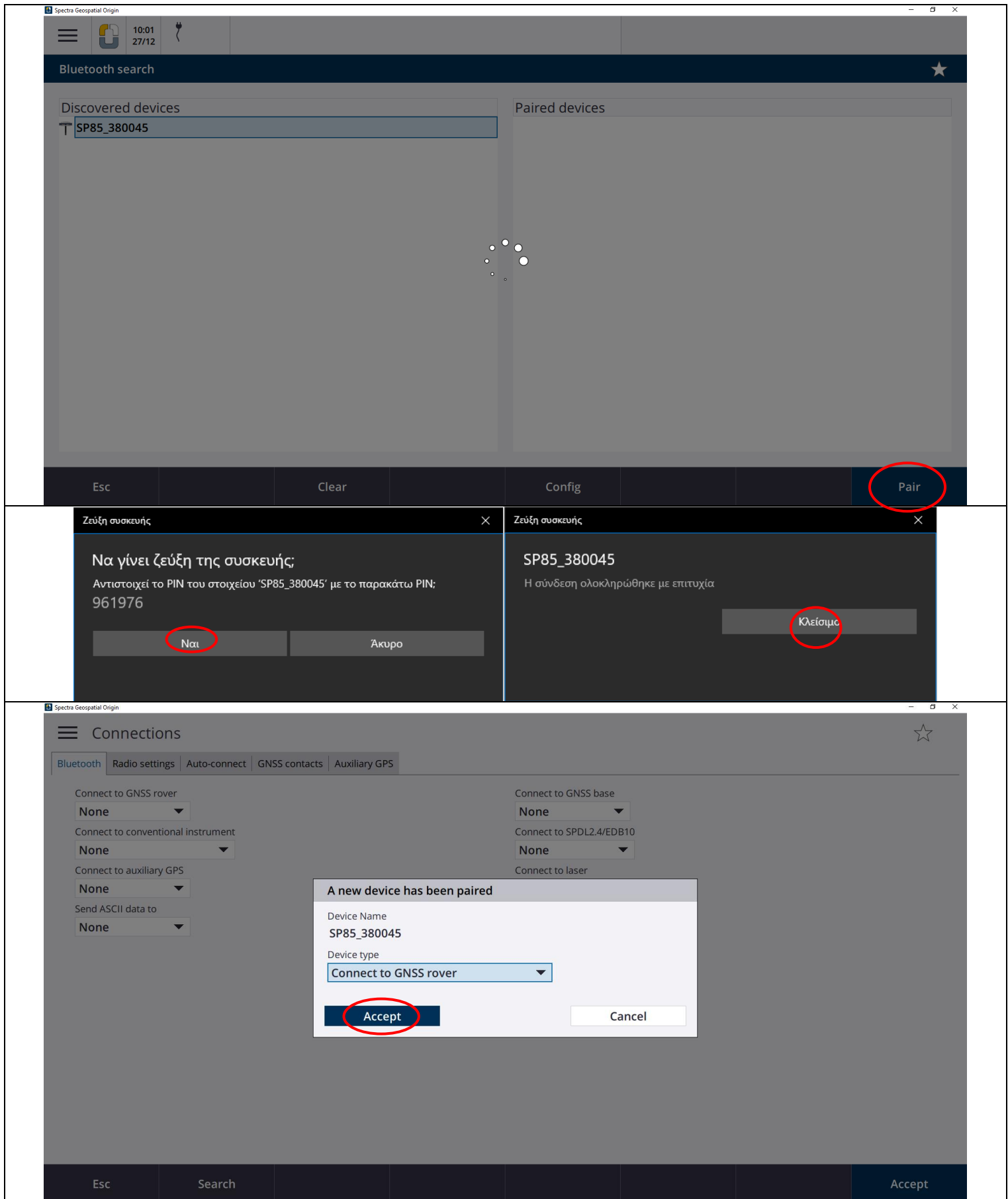
New template

Template name: EGSA HEPOS
Copy from: Metric Scale Only

Coord. sys.	HEPOS_GGRS87/TM87 (Greece/TM87)
Units (Dist.)	Meters
Layer manager	None
Feature library	None
Cogo settings	Ground
Additional settings	Off
Media file	Previous point
Reference	?
Description	?
Operator	?
Notes	?

Esc **Accept**



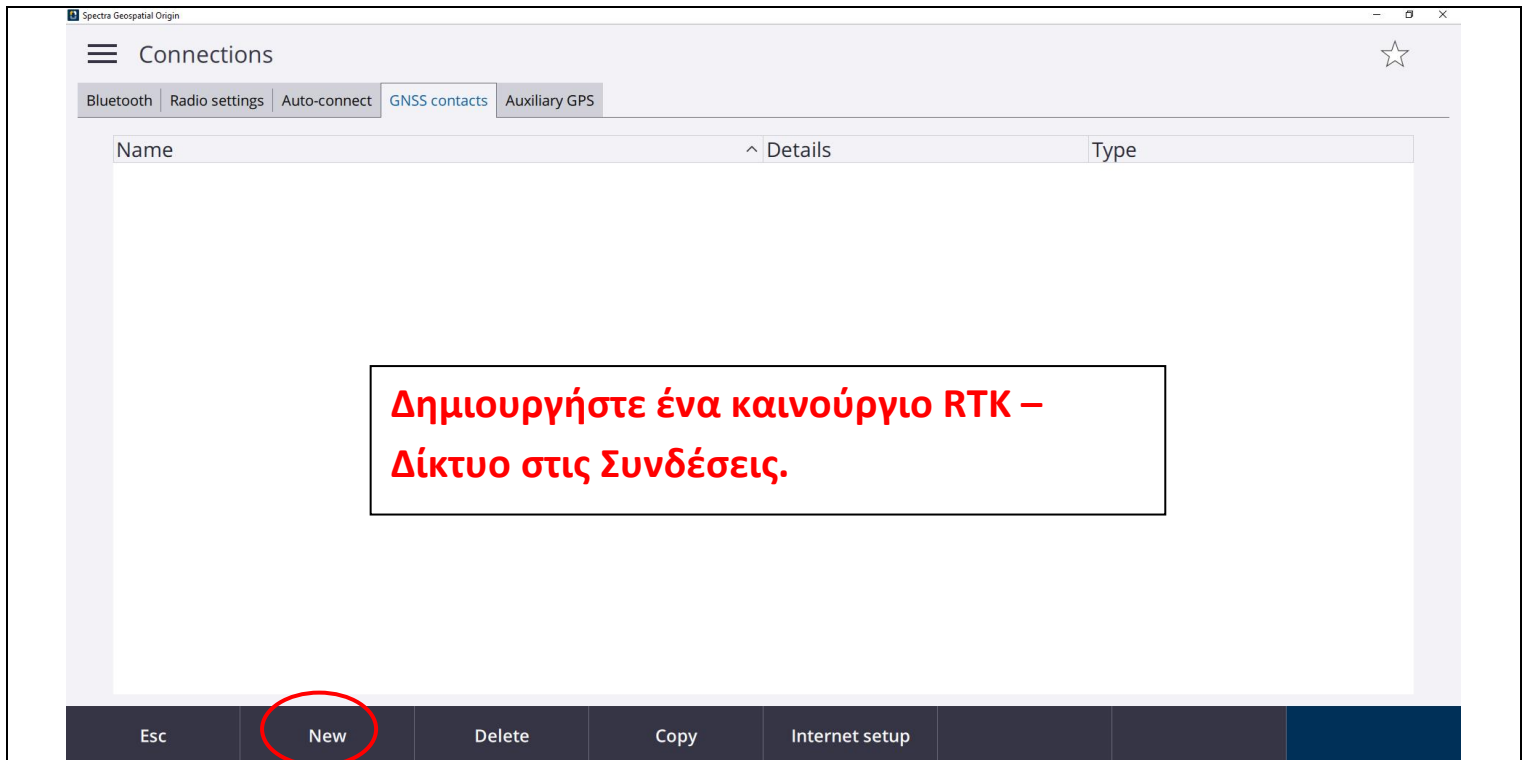


The image shows three sequential screenshots of the Spectra Geospatial Origin software interface, illustrating the Bluetooth pairing process.

Top Screenshot: Bluetooth search
The interface displays a "Bluetooth search" window with two columns: "Discovered devices" and "Paired devices". The device "SP85_380045" is listed under "Discovered devices". The "Pair" button at the bottom right is circled in red.

Middle Screenshot: Pairing Confirmation
Two dialog boxes are shown. The left one asks "Να γίνει ζεύξη της συσκευής;" (Do you want to pair the device?) and provides the PIN "961976". The "Ναι" (Yes) button is circled in red. The right dialog box shows "SP85_380045" and "Η σύνδεση ολοκληρώθηκε με επιτυχία" (Connection completed successfully). The "Κλείσιμο" (Close) button is circled in red.

Bottom Screenshot: Connections
The "Connections" window is shown with various settings. A dialog box titled "A new device has been paired" is displayed, showing the device name "SP85_380045" and the selected device type "Connect to GNSS rover". The "Accept" button is circled in red.



Spectra Geospatial Origin

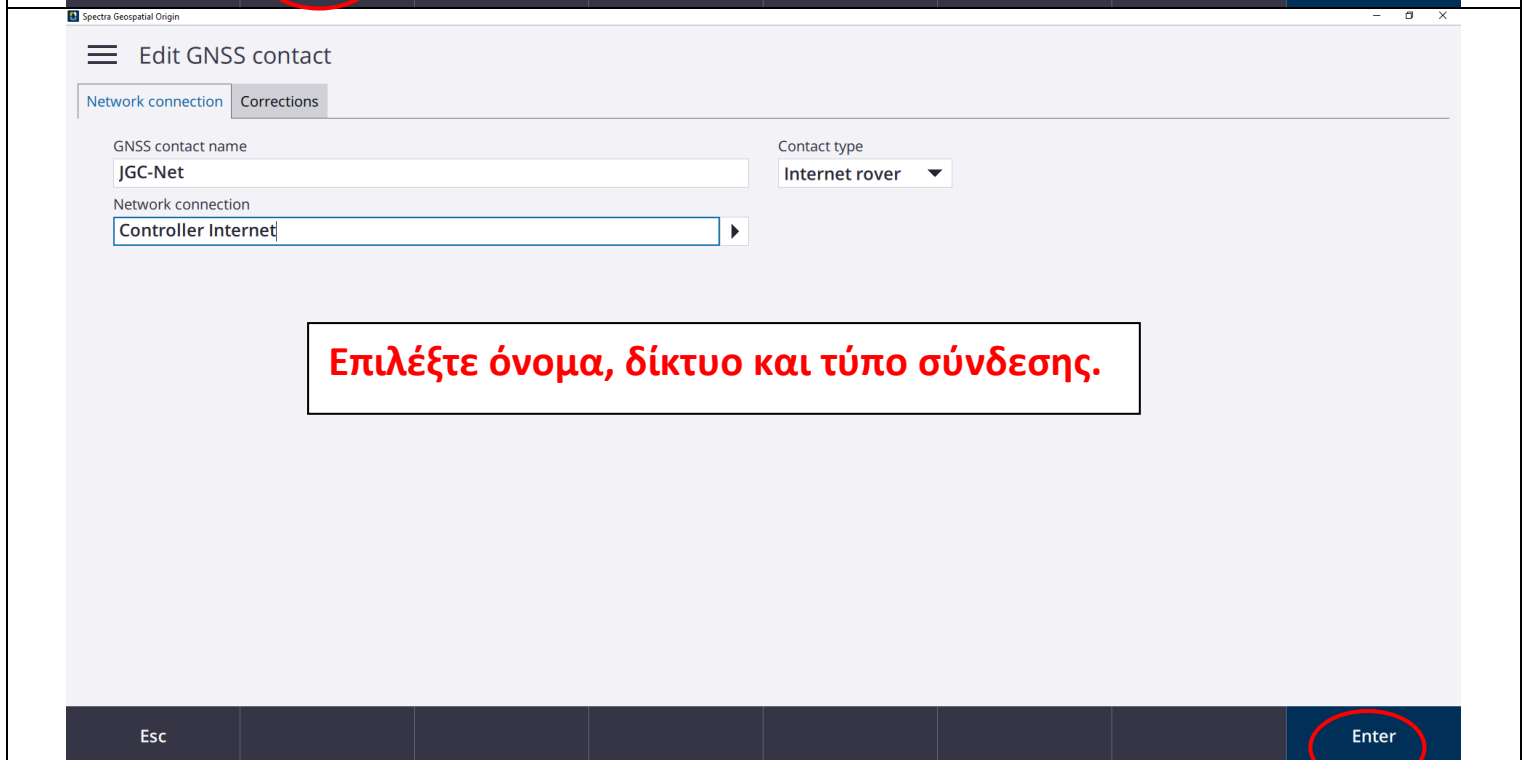
Connections

Bluetooth | Radio settings | Auto-connect | **GNSS contacts** | Auxiliary GPS

Name ^ Details Type

Δημιουργήστε ένα καινούργιο RTK – Δίκτυο στις Συνδέσεις.

Esc **New** Delete Copy Internet setup



Spectra Geospatial Origin

Edit GNSS contact

Network connection | **Corrections**

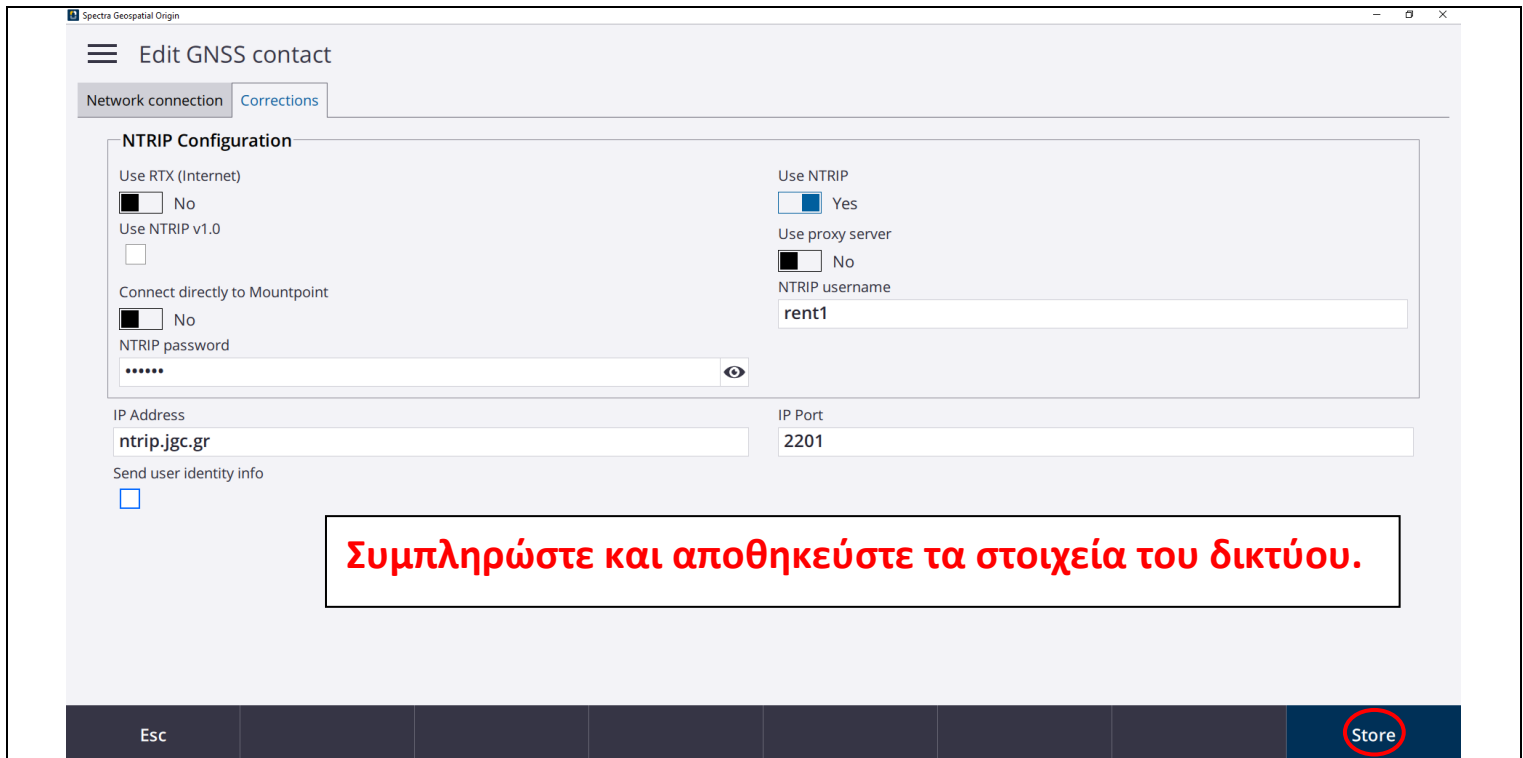
GNSS contact name: JGC-Net

Contact type: Internet rover

Network connection: Controller Internet

Επιλέξτε όνομα, δίκτυο και τύπο σύνδεσης.

Esc Enter



Edit GNSS contact

Network connection Corrections

NTRIP Configuration

Use RTX (Internet) No

Use NTRIP v1.0

Connect directly to Mountpoint No

NTRIP password

Use NTRIP Yes

Use proxy server No

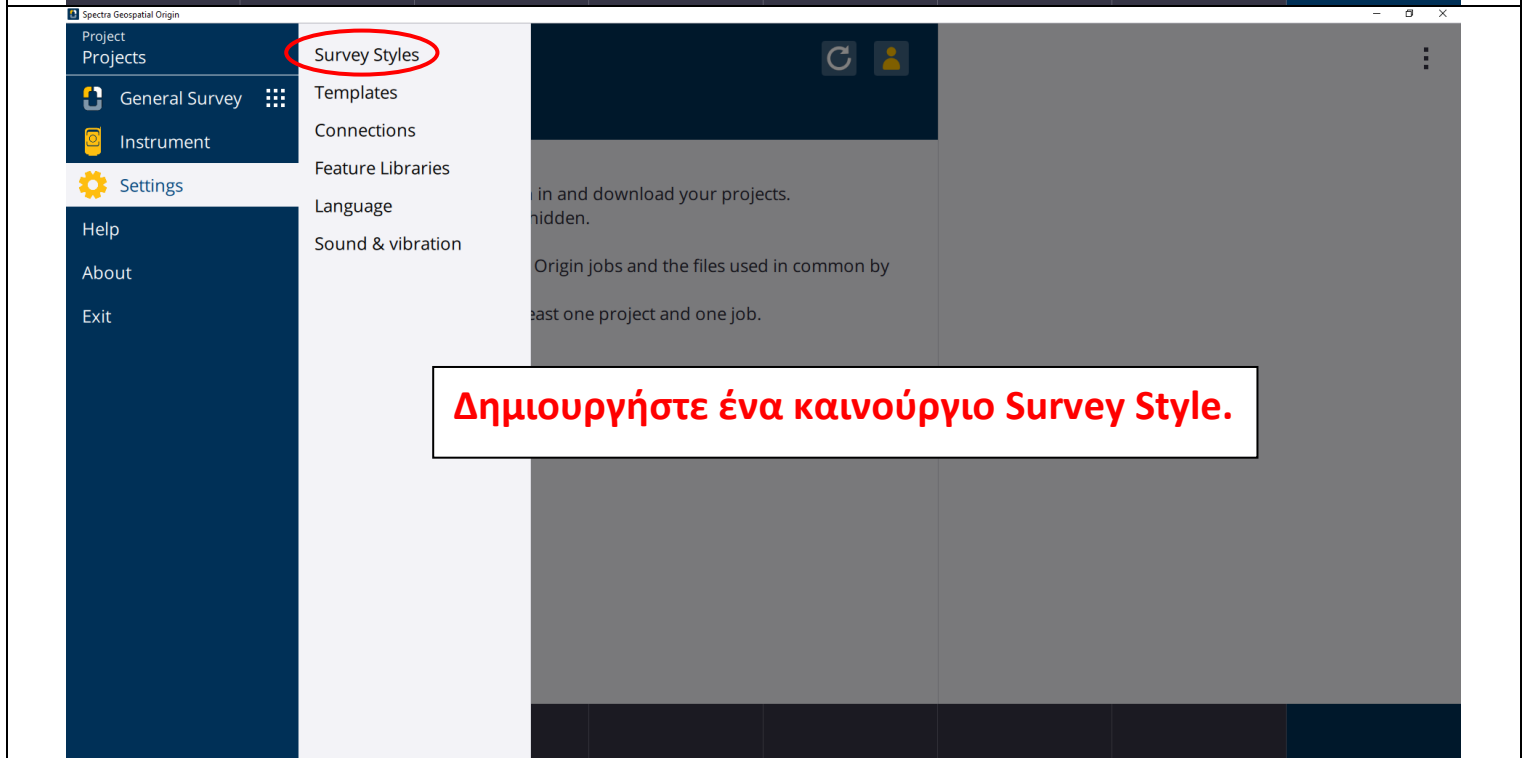
NTRIP username

IP Address IP Port

Send user identity info

Συμπληρώστε και αποθηκεύστε τα στοιχεία του δικτύου.

Esc Store



Spectra Geospatial Origin

Project
Projects Survey Styles

General Survey ⋮ Templates

Instrument Connections

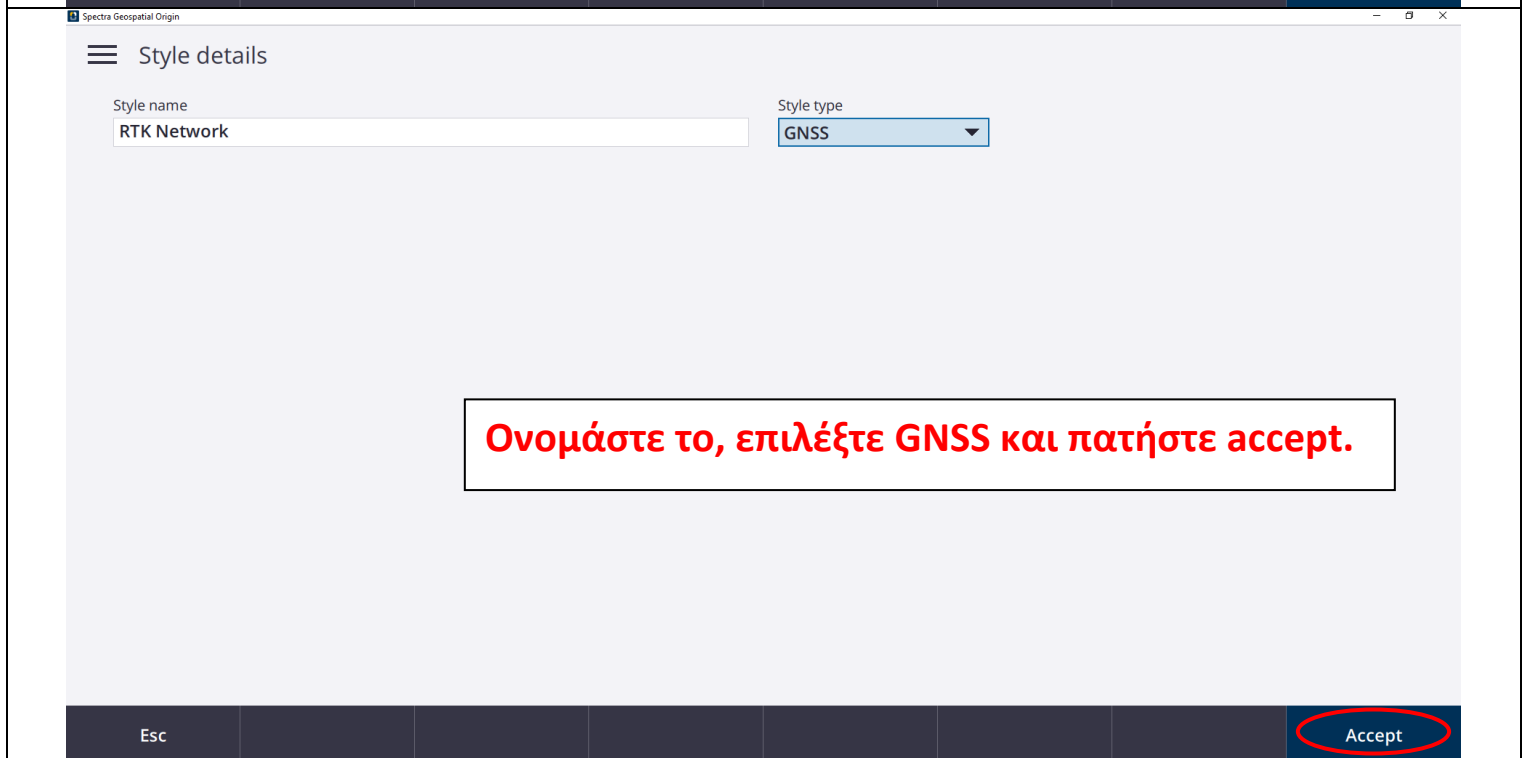
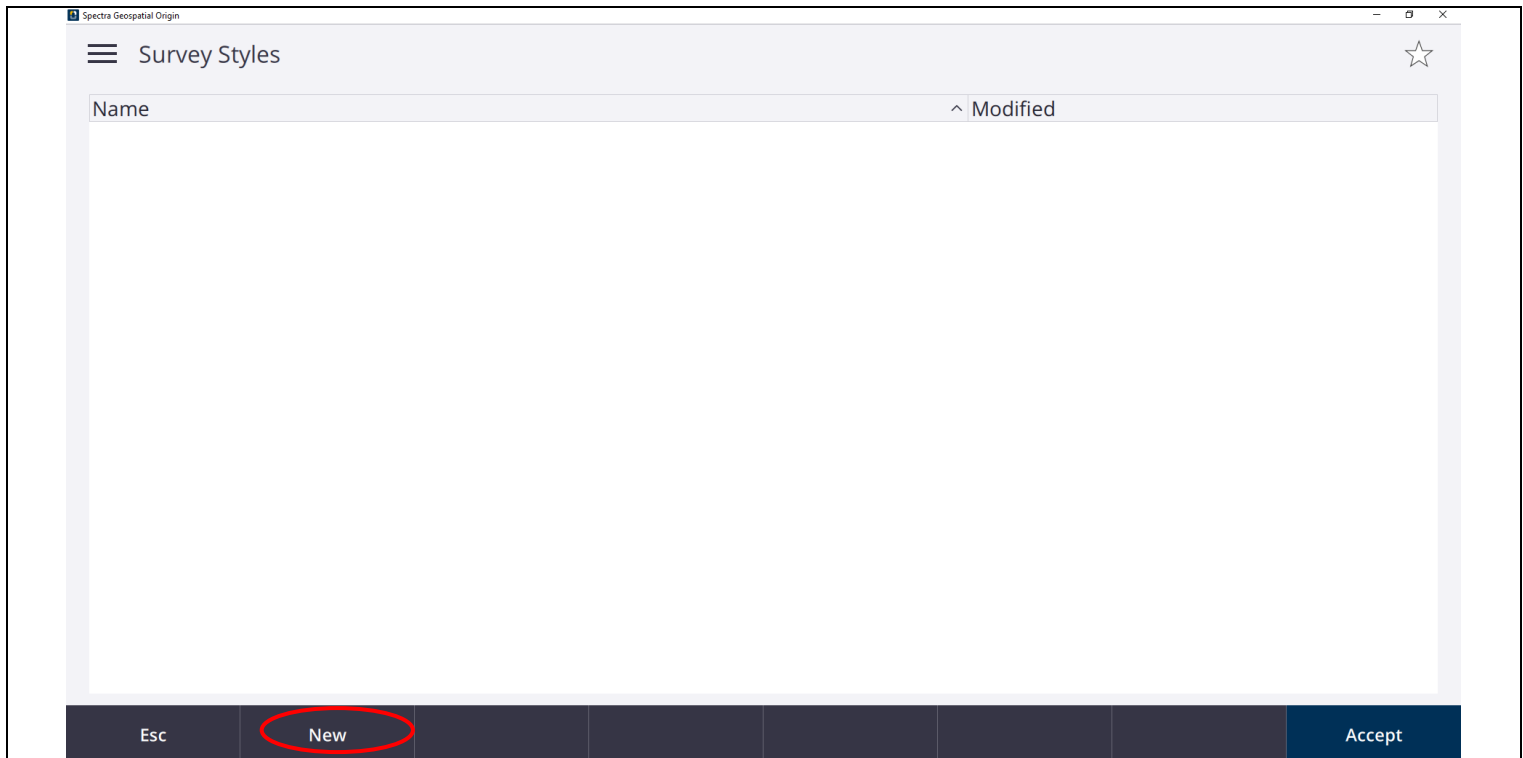
Settings ⚙️ Feature Libraries

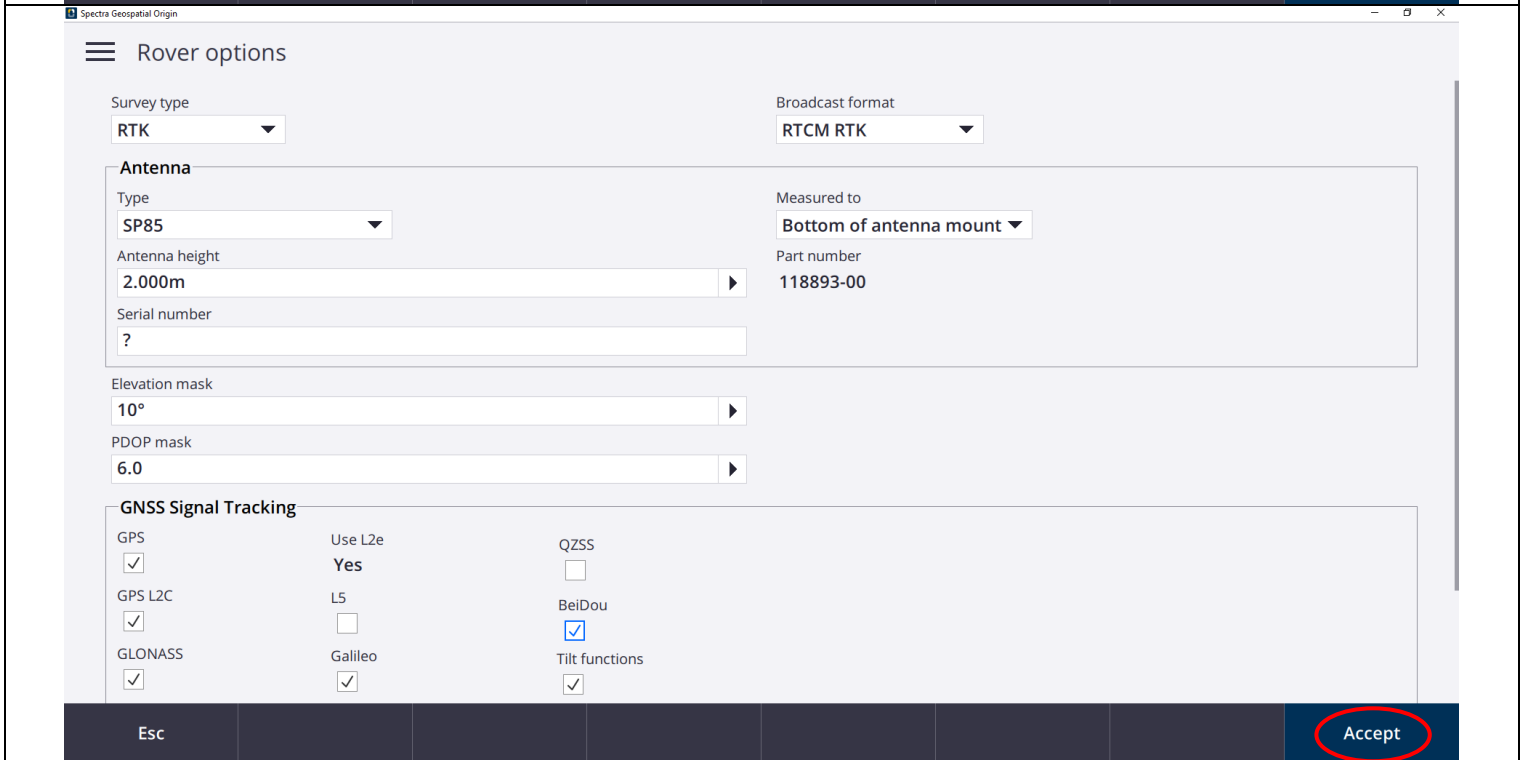
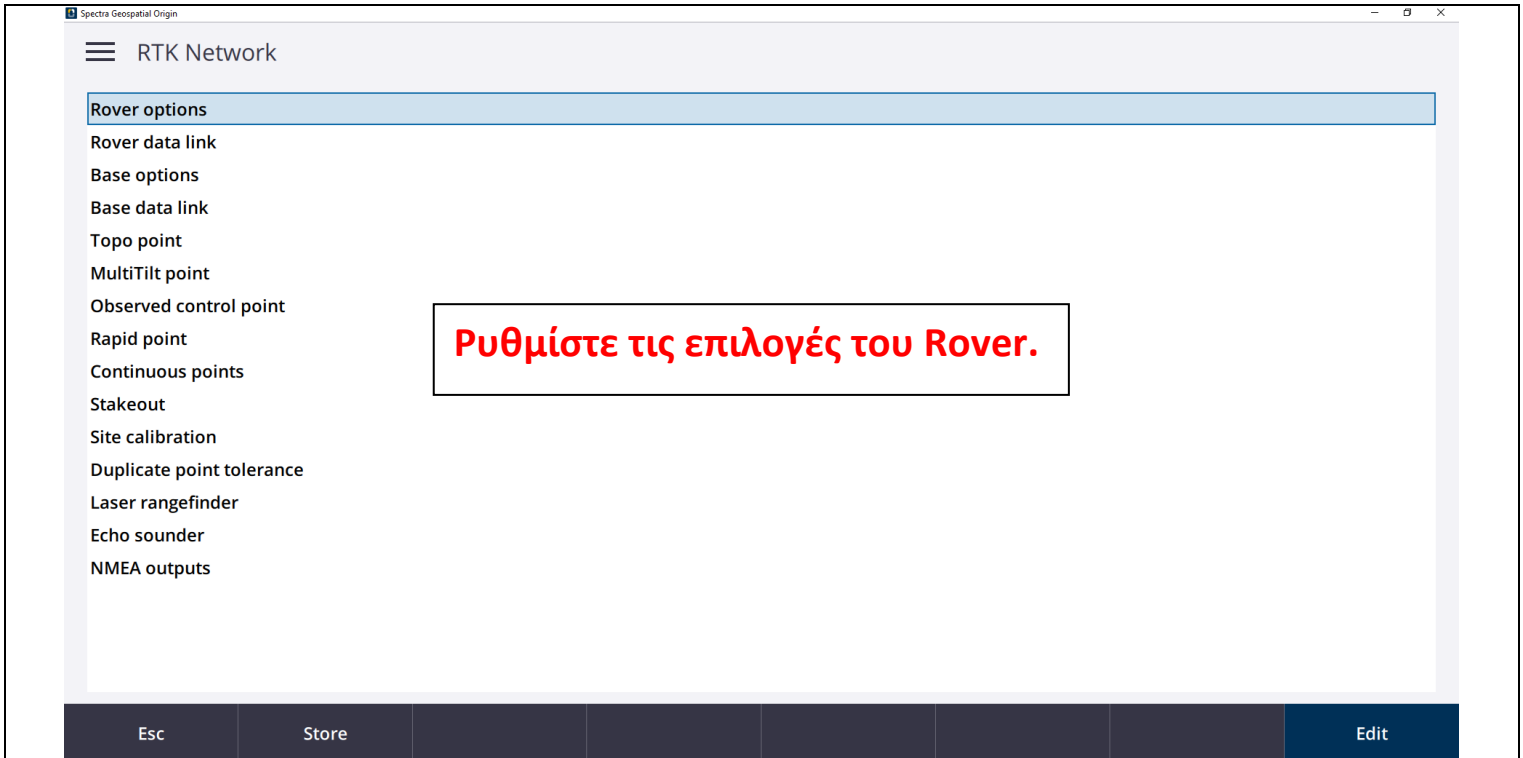
Help Language

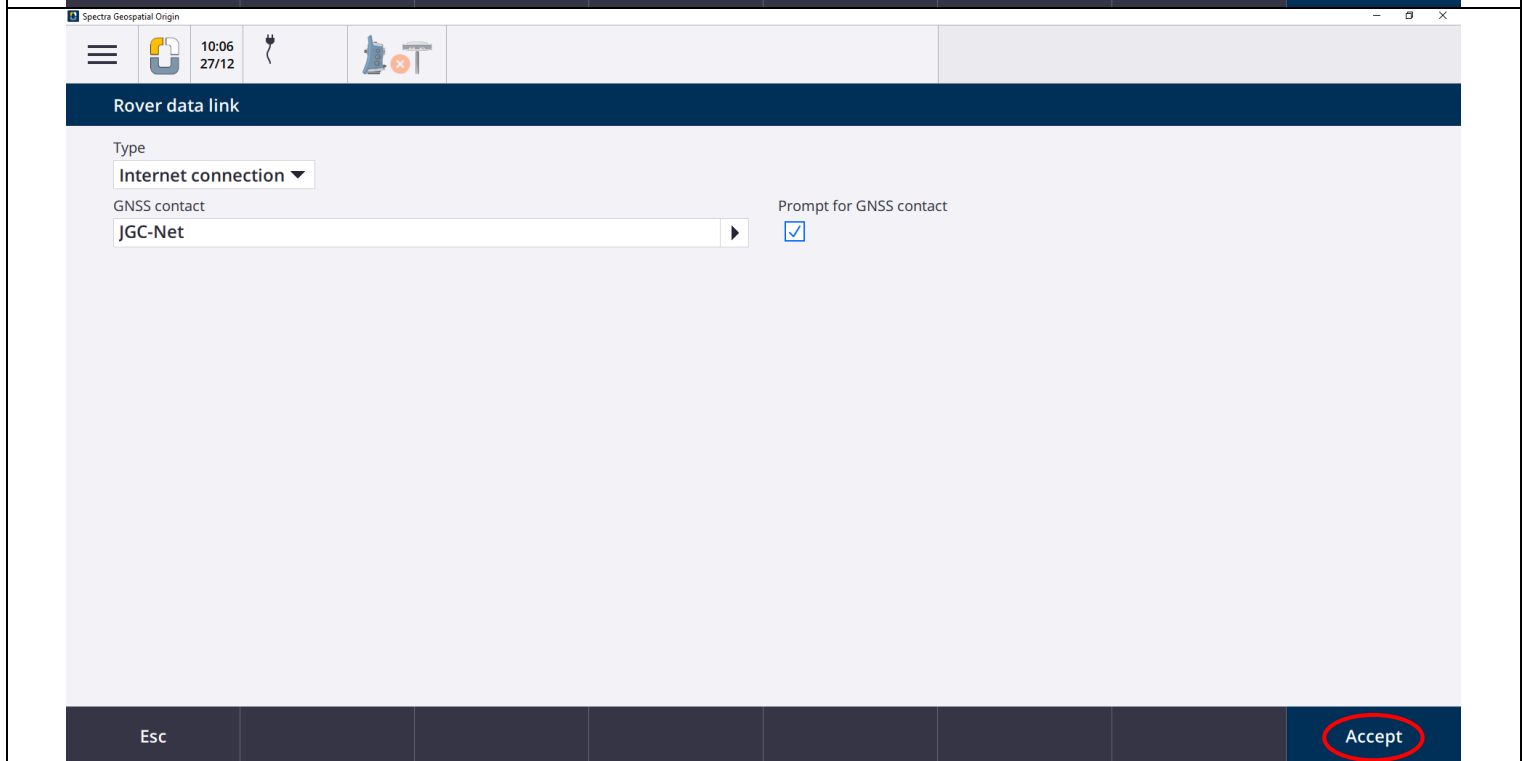
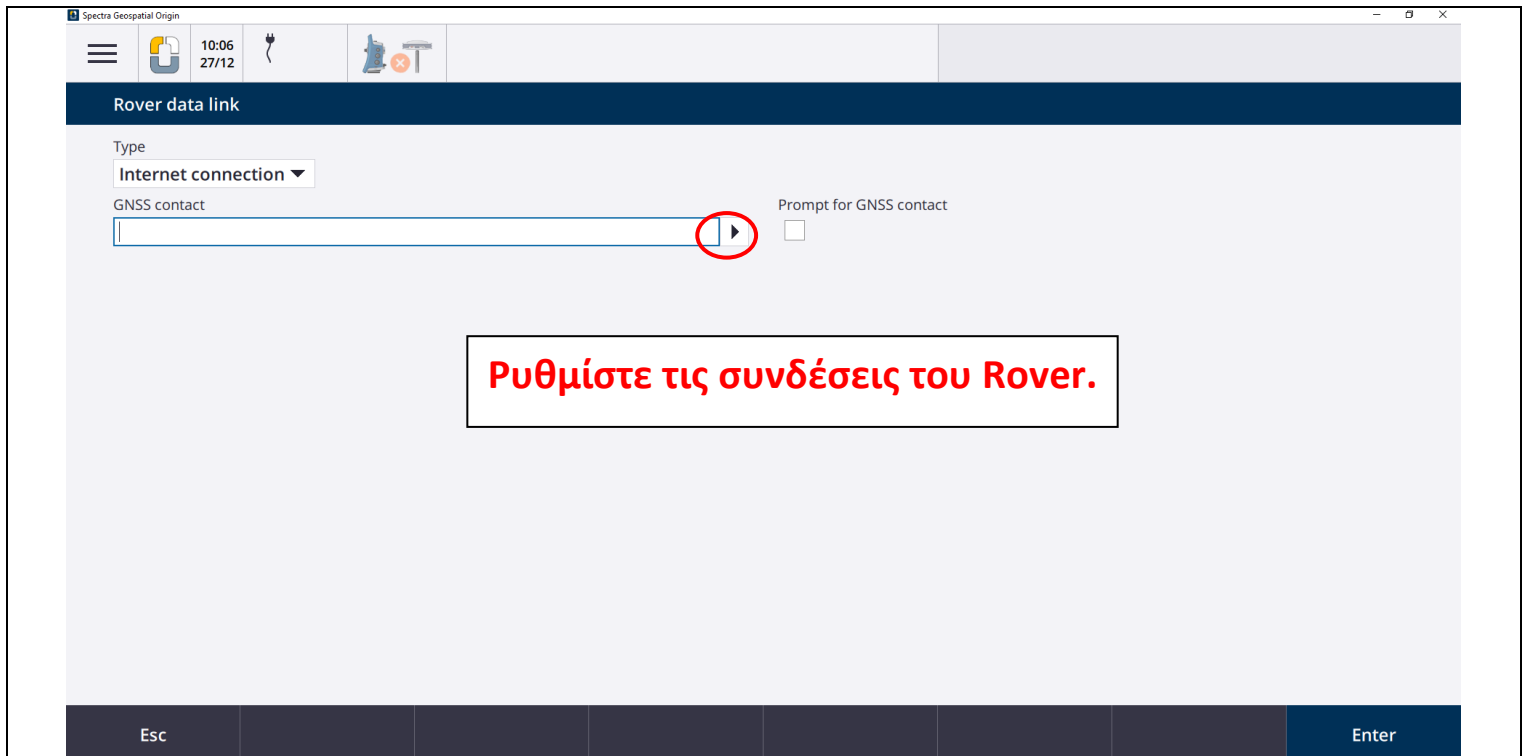
About Sound & vibration

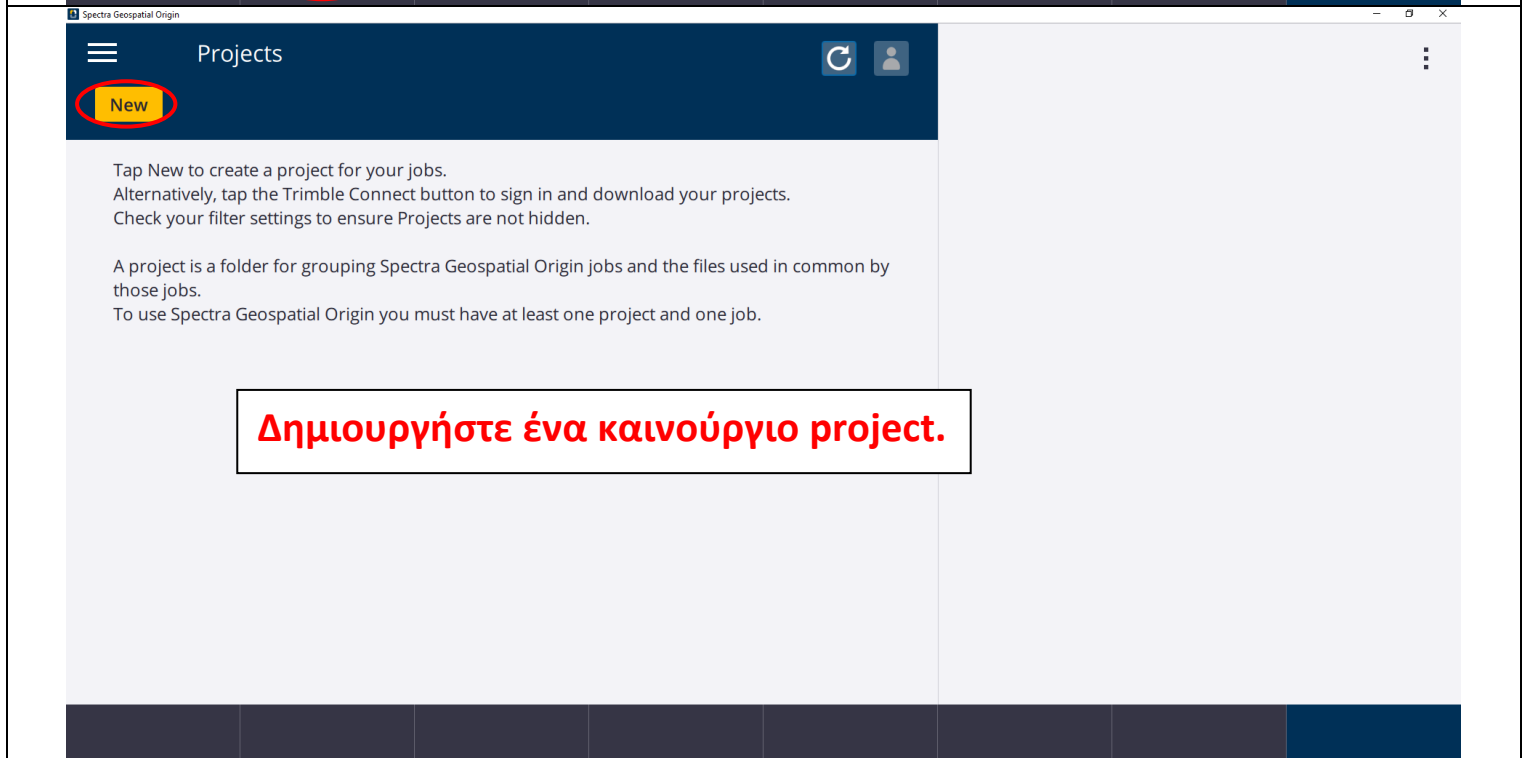
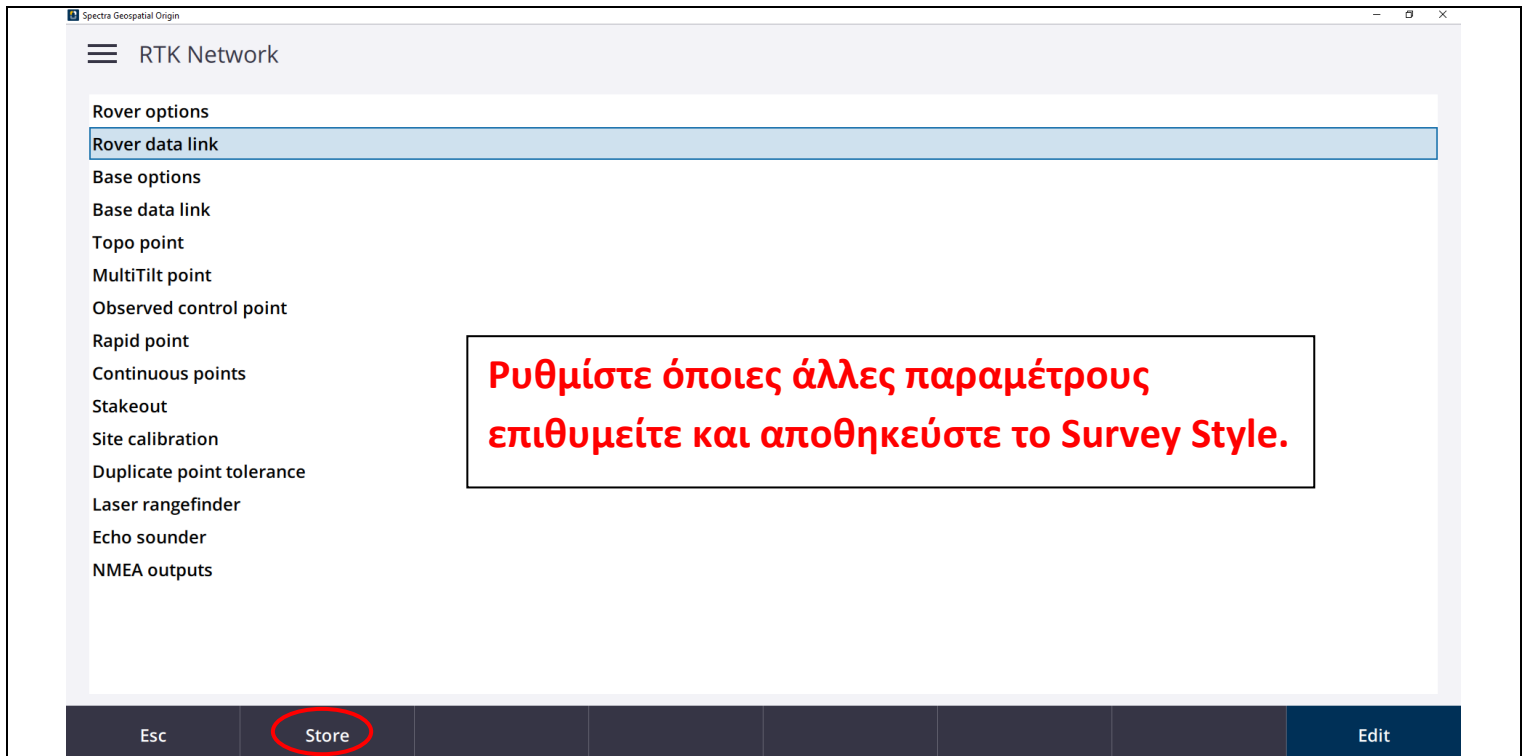
Exit

Δημιουργήστε ένα καινούργιο Survey Style.










Spectra Geospatial Origin

← New project

Name	TEST
Description	?
Reference	?
Location	?
Image	?

Esc  **Create**

Spectra Geospatial Origin

← New job: TEST\DAY 1

Create from template Create from JobXML or DC file

Job name: DAY 1

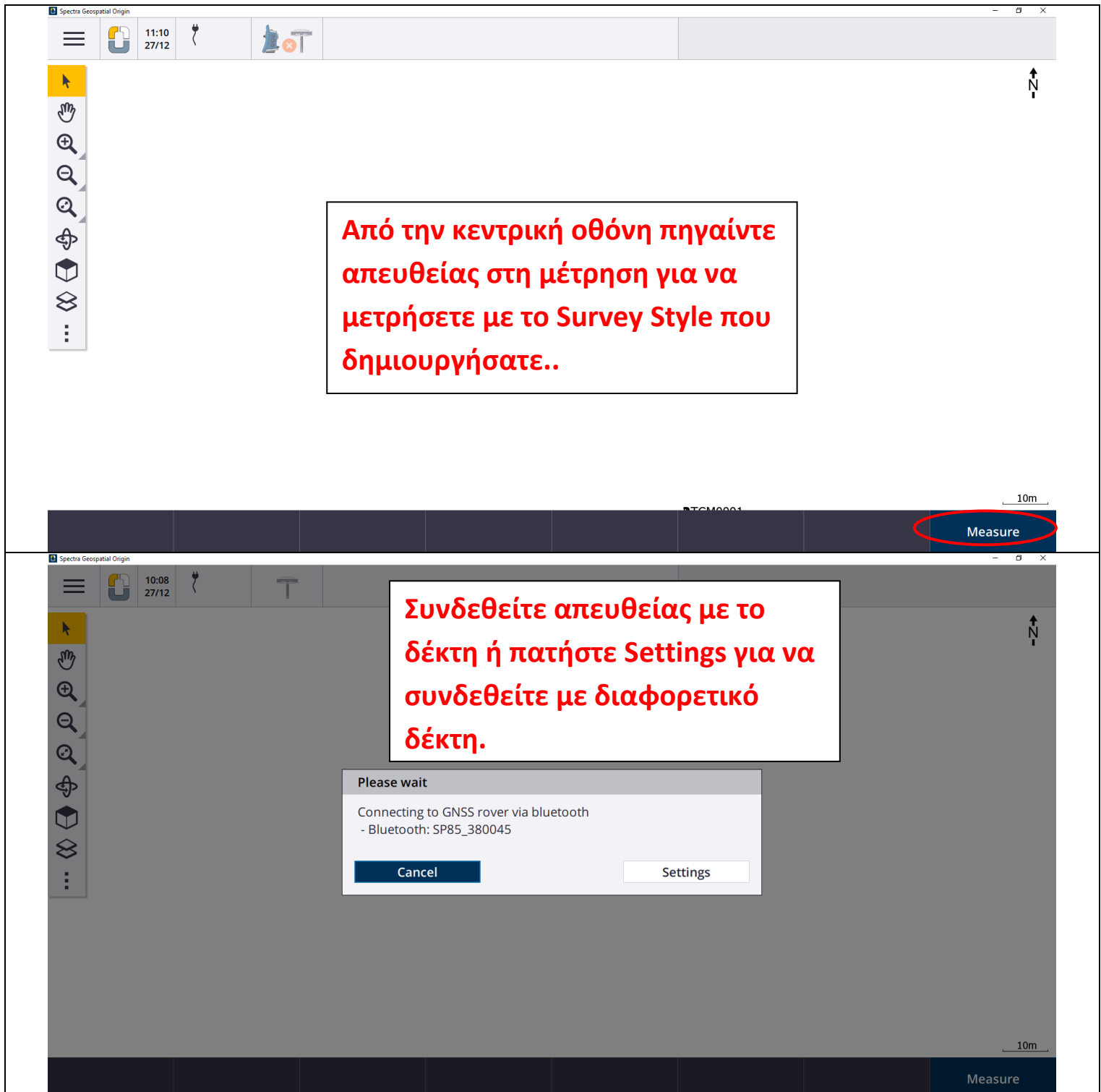
Template: Metric Scale Only

Properties

Coord. sys.	EGSA HEPOS	Scale: 1.0000000000
Units (Dist.)	International Feet Scale Only	Meters
Layer manager	Metric Scale Only	None
Feature library	US Survey Feet Scale Only	None
Cogo settings		Ground
Additional settings		
Media file		
Reference		
Description		
Operator		
Notes		

Δημιουργήστε job μέσα στο project, επιλέξτε το πρότυπο και πατήστε accept.

Esc **Accept**



Από την κεντρική οθόνη πηγαίνετε απευθείας στη μέτρηση για να μετρήσετε με το Survey Style που δημιουργήσατε..

Συνδεθείτε απευθείας με το δέκτη ή πατήστε Settings για να συνδεθείτε με διαφορετικό δέκτη.

Please wait
Connecting to GNSS rover via bluetooth
- Bluetooth: SP85_380045
Cancel Settings

Spectra Geospatial Origin

Connections

Bluetooth | Radio settings | Auto-connect | **GNSS contacts** | Auxiliary GPS

Name	Details	Type
JGC-Net	Controller Internet	Internet rover

Κάντε αποδοχή στο RTK Δίκτυο που θέλετε να χρησιμοποιήσετε και επιλέξτε τη βάση που θέλετε να χρησιμοποιήσετε για διορθώσεις.

Esc | New | Delete | Copy | Internet setup | Edit | **Accept**

Spectra Geospatial Origin

10:09 27/12 | 53% | 37 | 2.000 | No survey PDOP:1.0

Select data source

Distance ^

ATHN HTRS07	RTCM 3 575m
ATHNFULLGNSS HTRS07	RTCM 3.2 575m
CHAL HTRS07	RTCM 3 49238m
CHALFULLGNSS HTRS07	RTCM 3.2 49238m
KORI HTRS07	RTCM 3 86474m
KORIFULLGNSS HTRS07	RTCM 3.2 86474m
ITEA HTRS07	RTCM 3 127181m
ITEAFULLGNSS HTRS07	RTCM 3.2 127181m
TRIP	RTCM 3

Mount point
ATHNFULLGNSS

Identifier
ATHENS

Remark
HTRS07

Format
RTCM 3.2

Carrier
L2

Nav System
GNSS

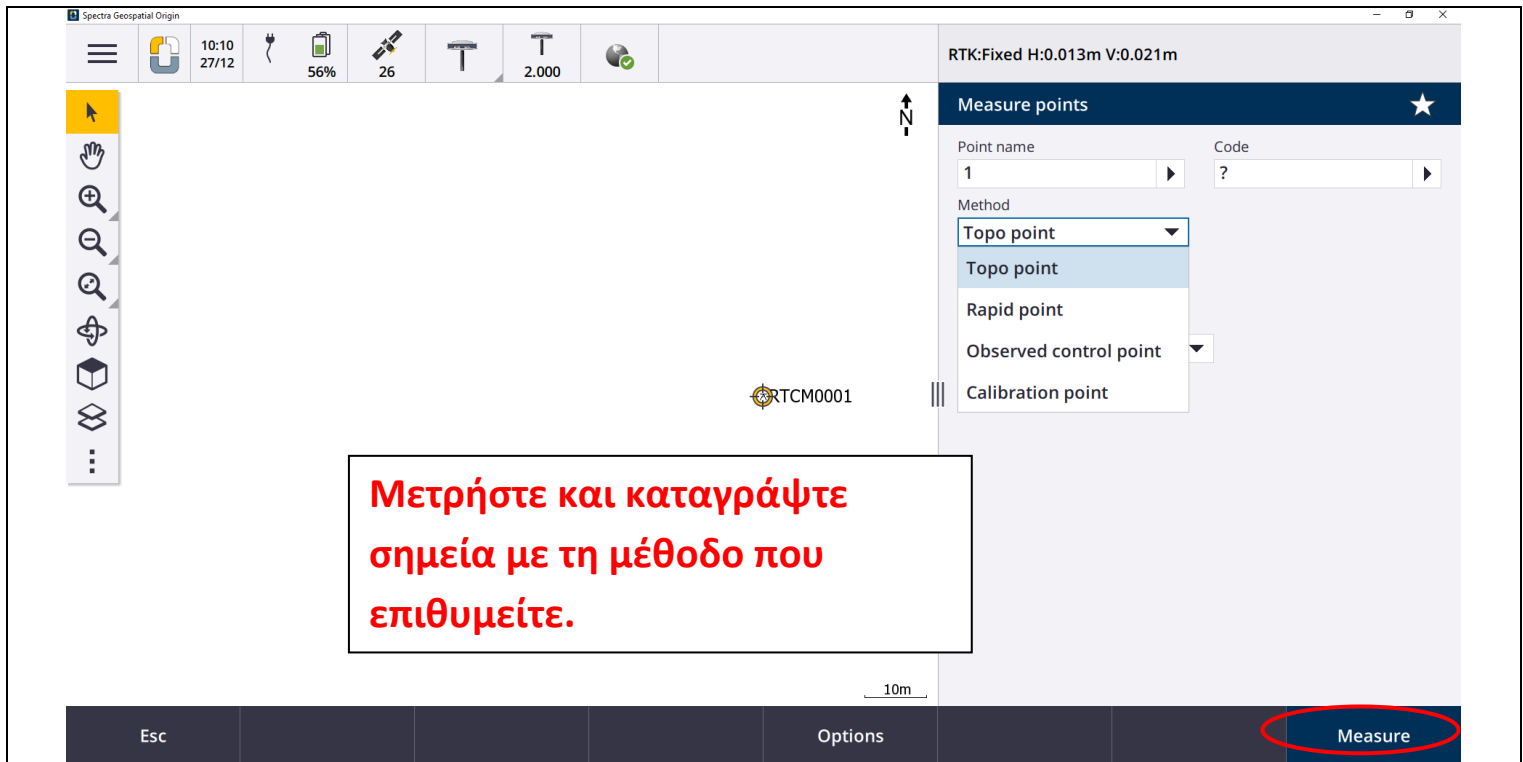
Network
JGC-Net

Country
GRC

Lat
38.06

Long

Esc | Refresh | **Accept**



RTK:Fixed H:0.013m V:0.021m

Measure points

Point name: 1 Code: ?

Method: Topo point

Topo point

Rapid point

Observed control point

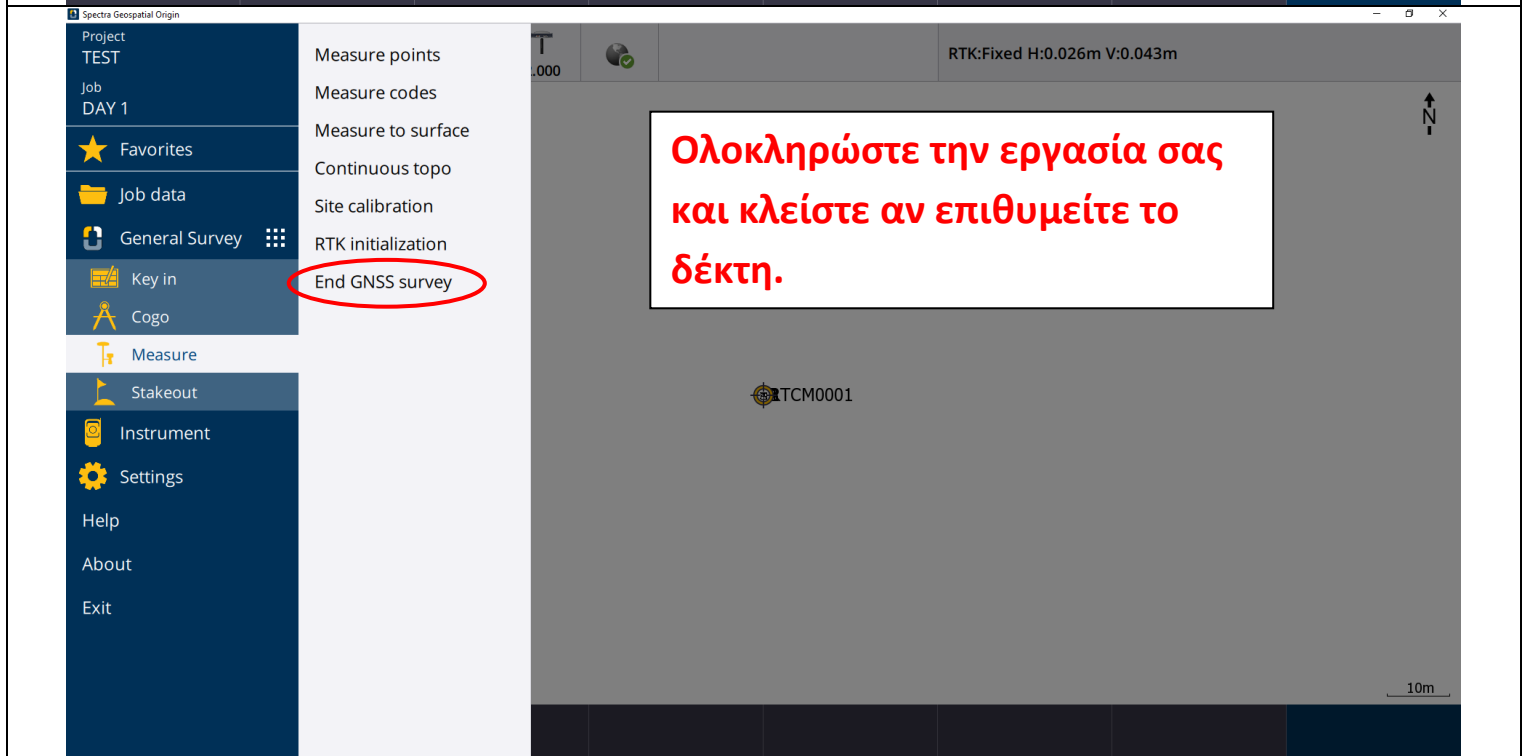
Calibration point

RTCM0001

10m

Esc Options Measure

Μετρήστε και καταγράψτε σημεία με τη μέθοδο που επιθυμείτε.



RTK:Fixed H:0.026m V:0.043m

Project TEST Job DAY 1

Measure points

Measure codes

Measure to surface

Continuous topo

Site calibration

RTK initialization

End GNSS survey

Key in

Cogo

Measure

Stakeout

Instrument

Settings

Help

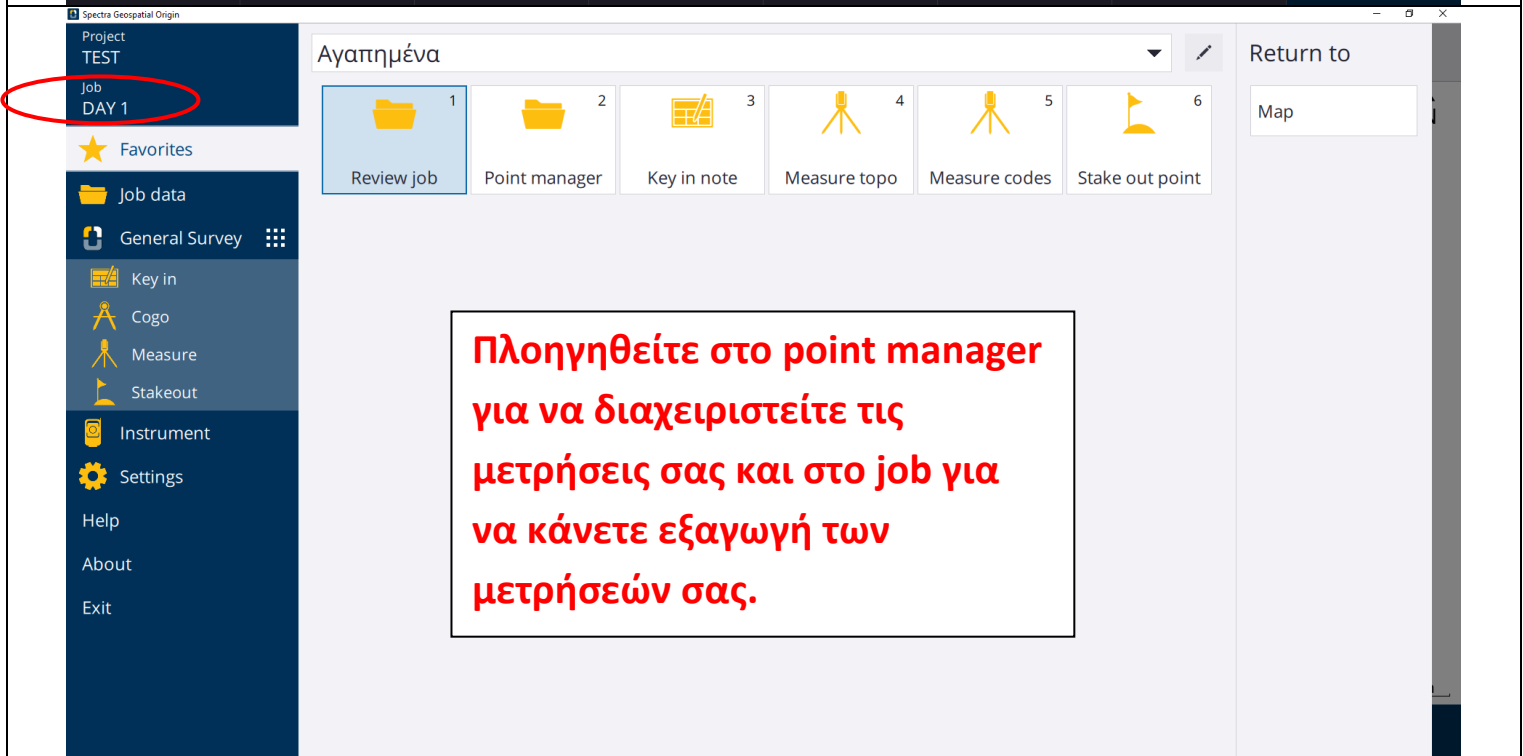
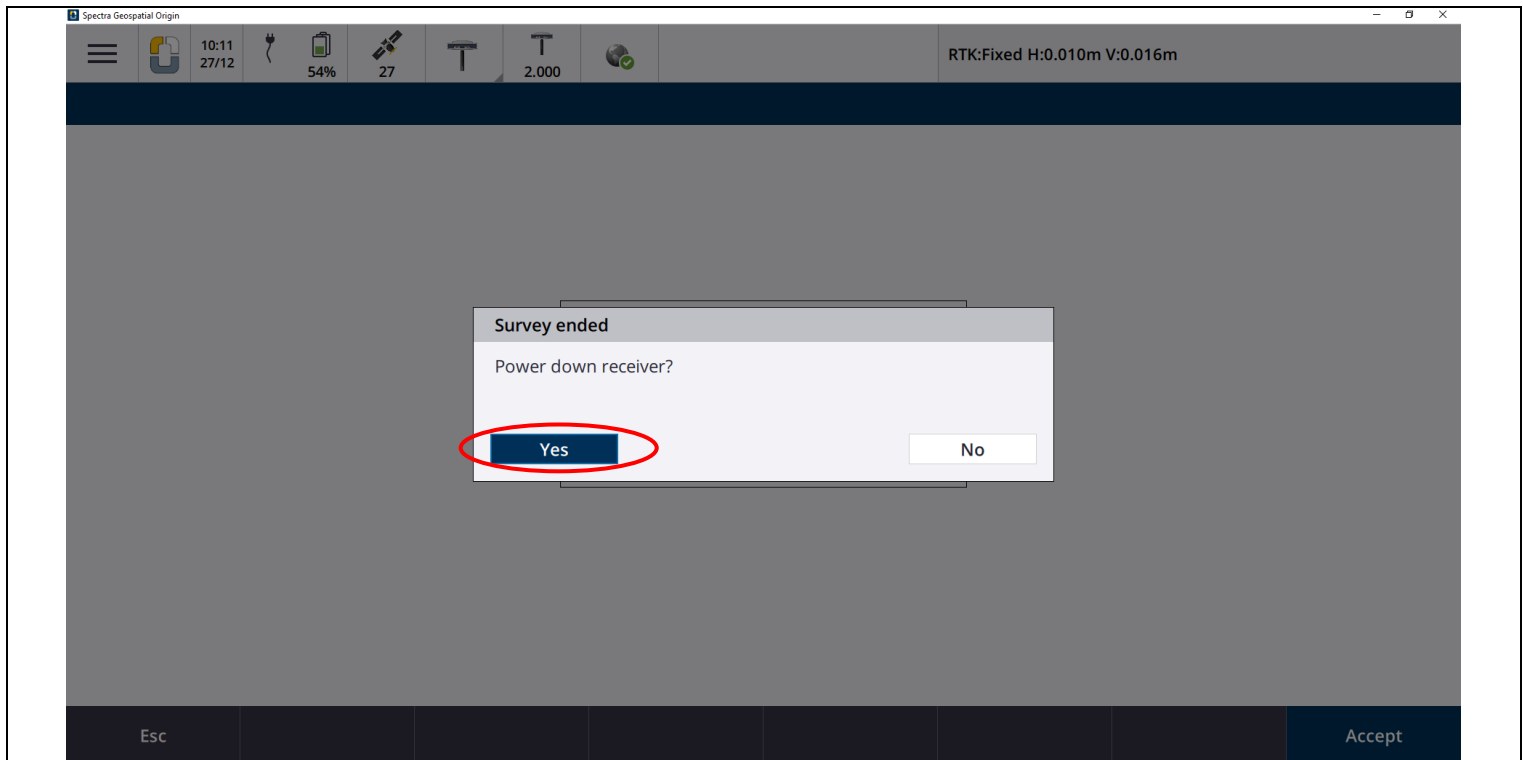
About

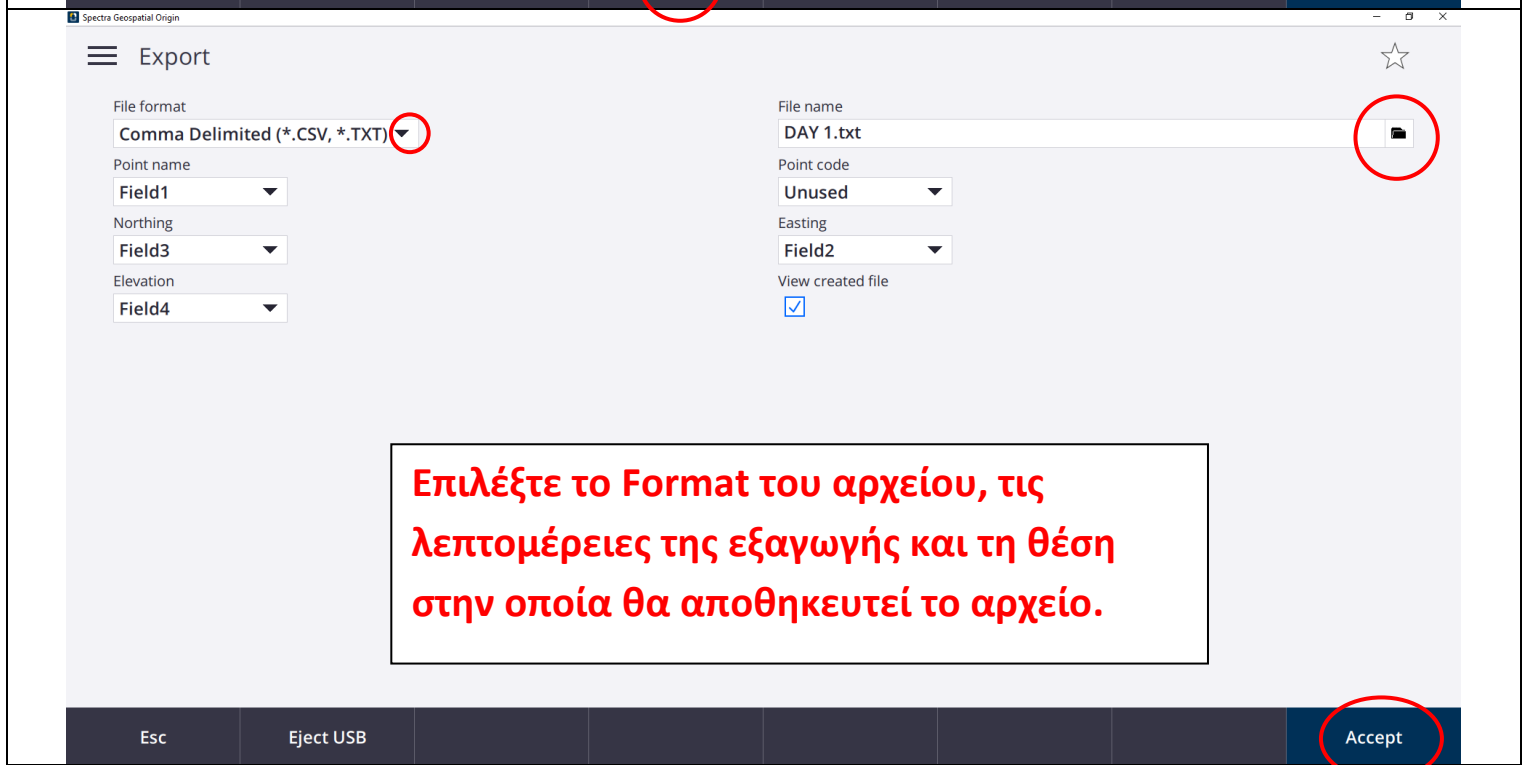
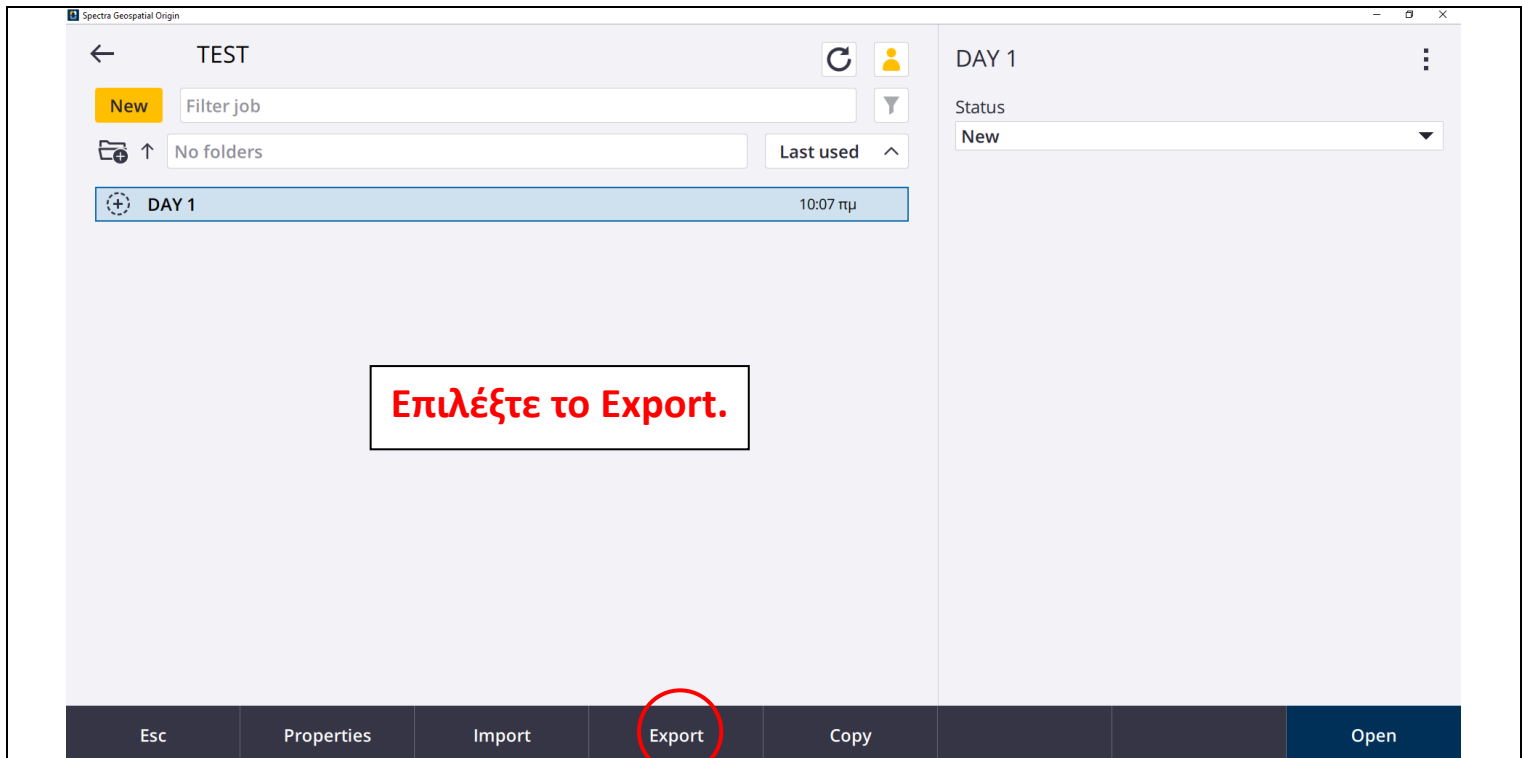
Exit

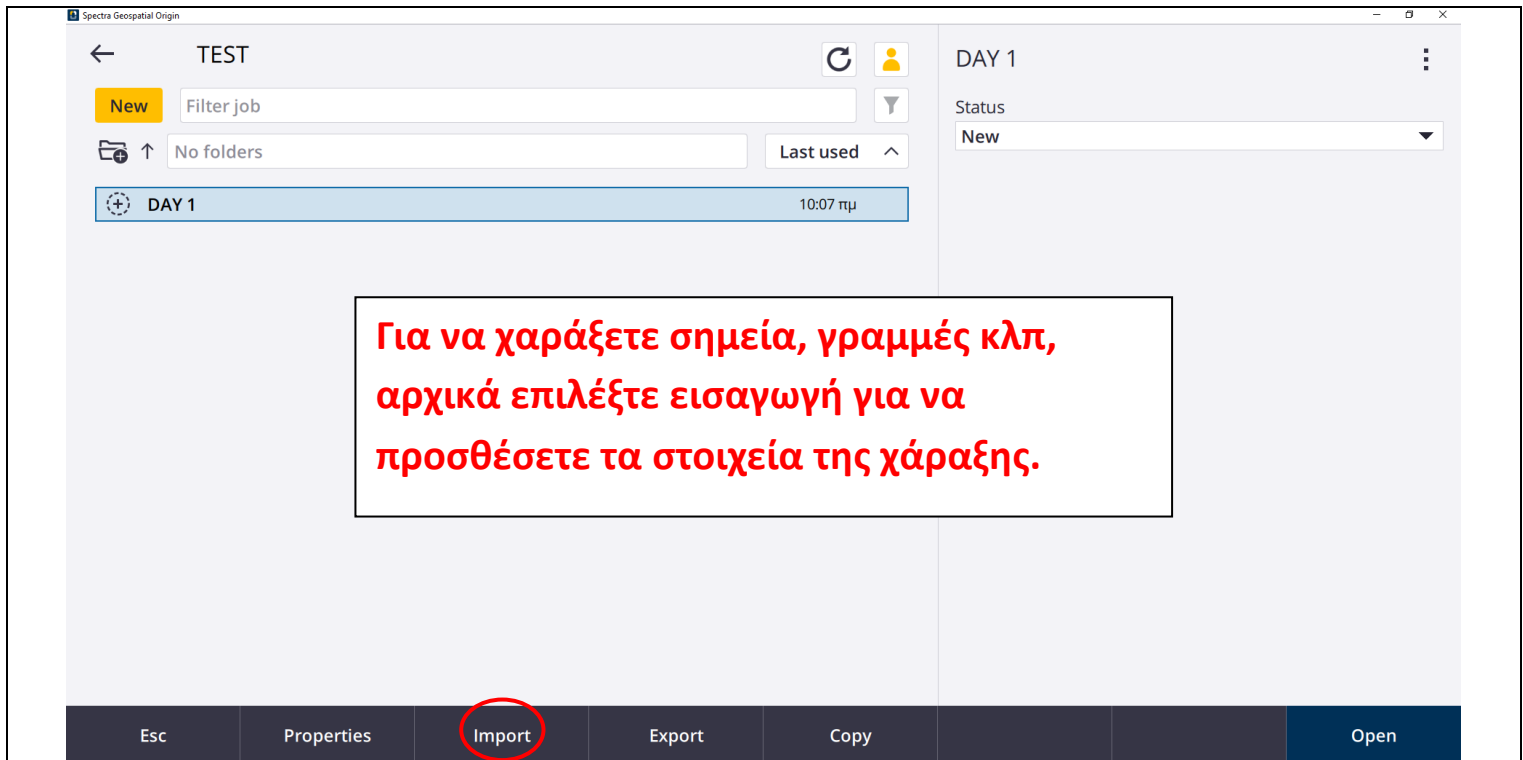
RTCM0001

10m

Ολοκληρώστε την εργασία σας και κλείστε αν επιθυμείτε το δέκτη.







TEST

DAY 1 10:07 πμ

Filter job

No folders

Last used

DAY 1

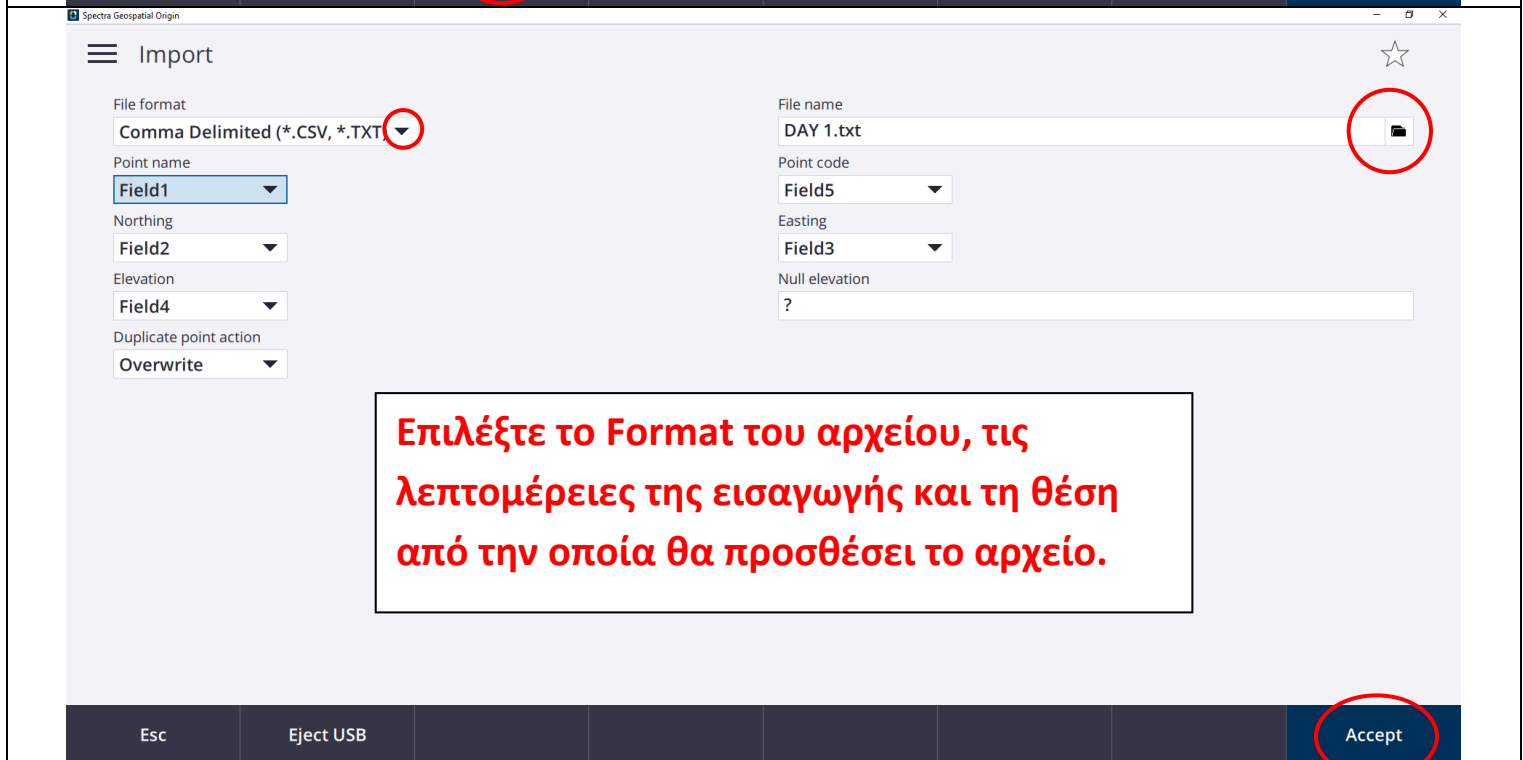
10:07 πμ

DAY 1

10:07 πμ

Esc Properties **Import** Export Copy Open

Για να χαράξετε σημεία, γραμμές κλπ, αρχικά επιλέξτε εισαγωγή για να προσθέσετε τα στοιχεία της χάραξης.



Import

File format: Comma Delimited (*.CSV, *.TXT)

Point name: Field1

Northing: Field2

Elevation: Field4

Duplicate point action: Overwrite

File name: DAY 1.txt

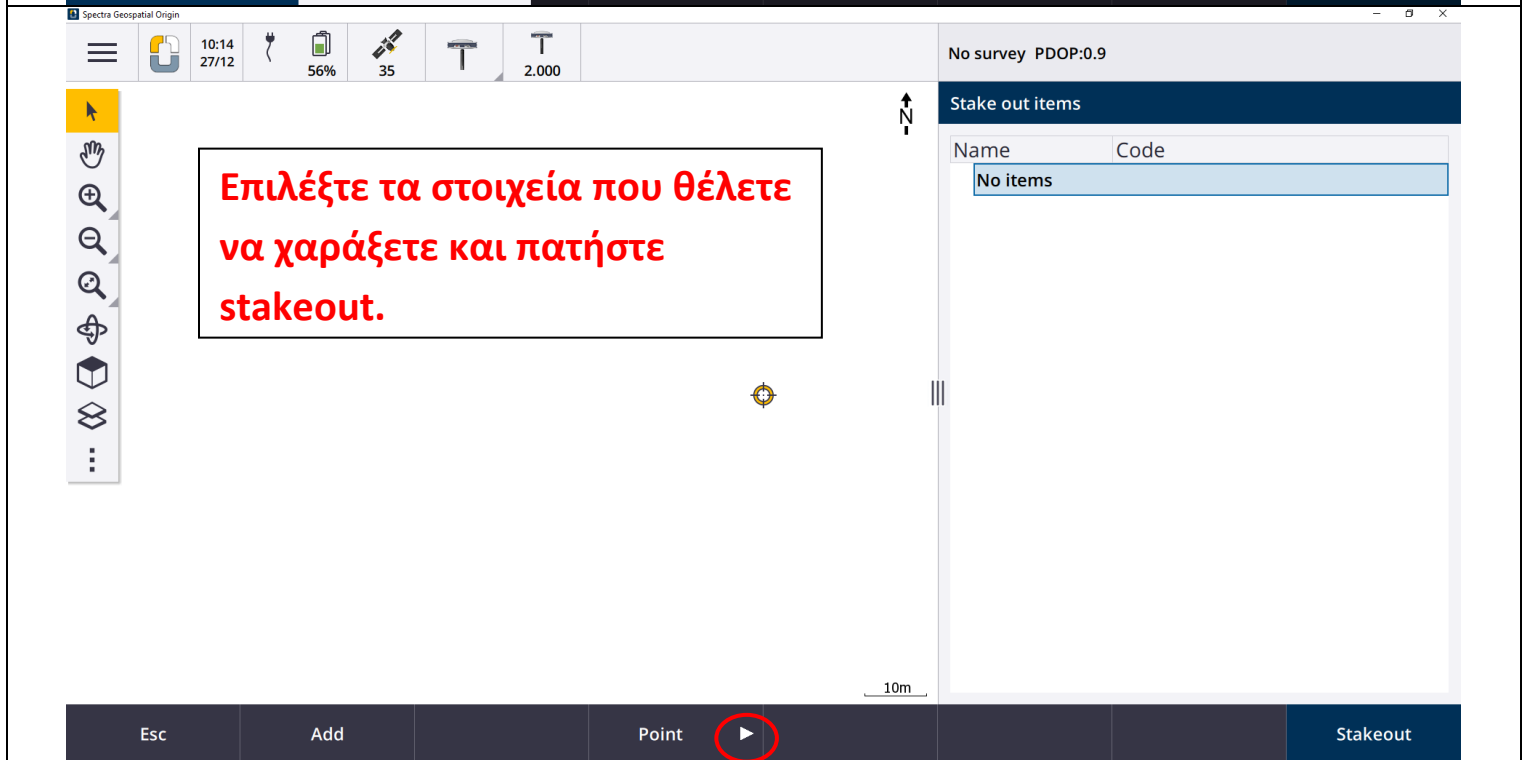
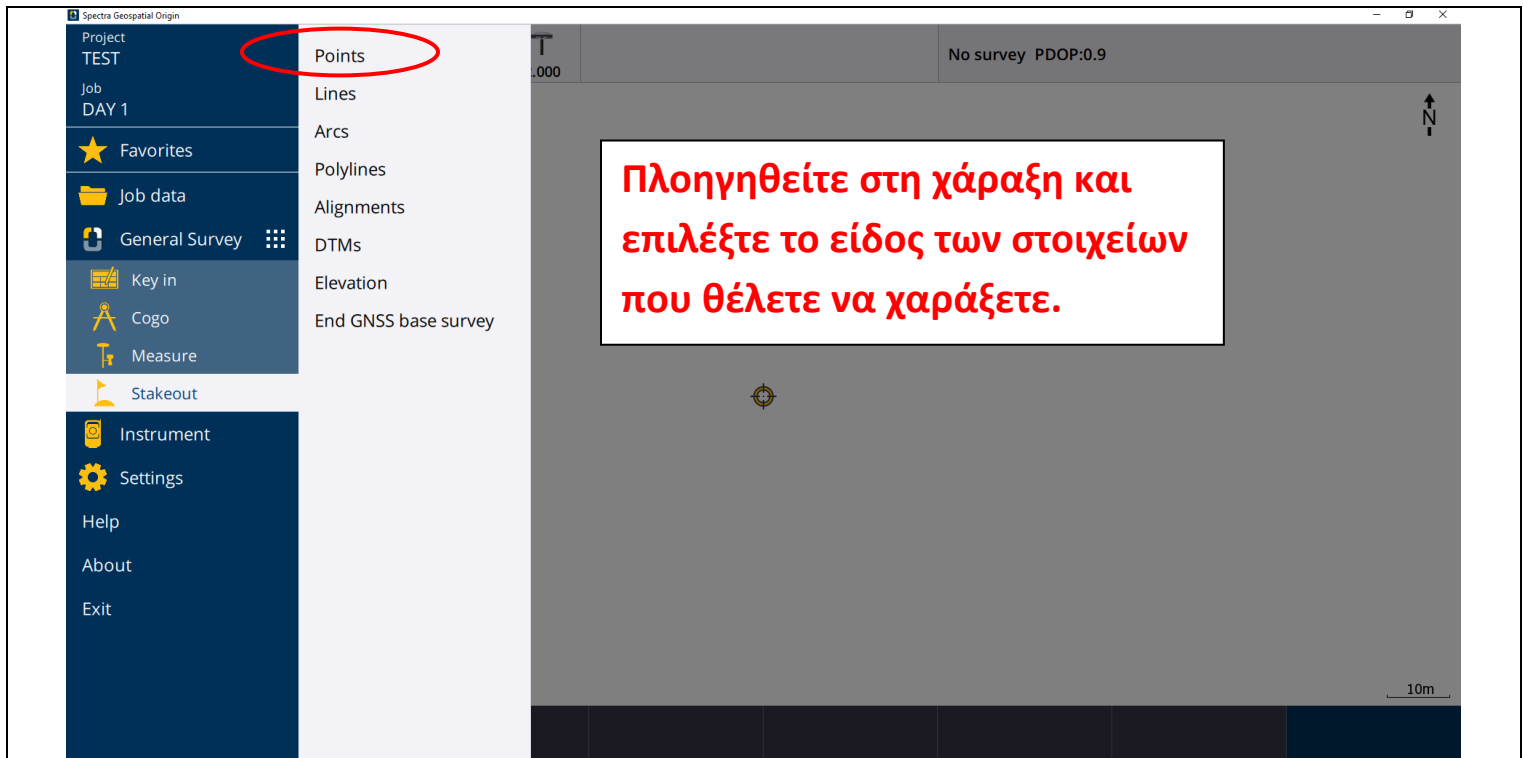
Point code: Field5

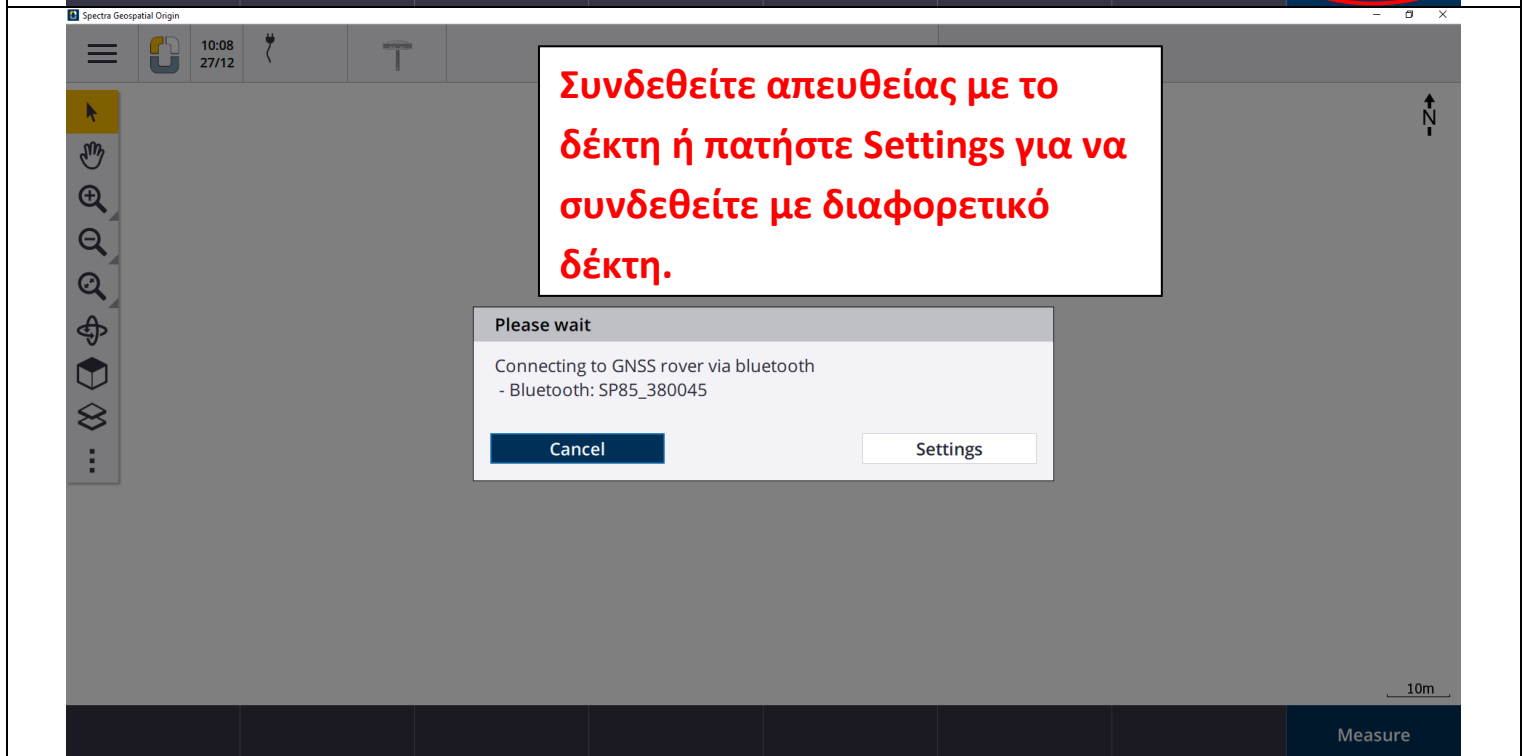
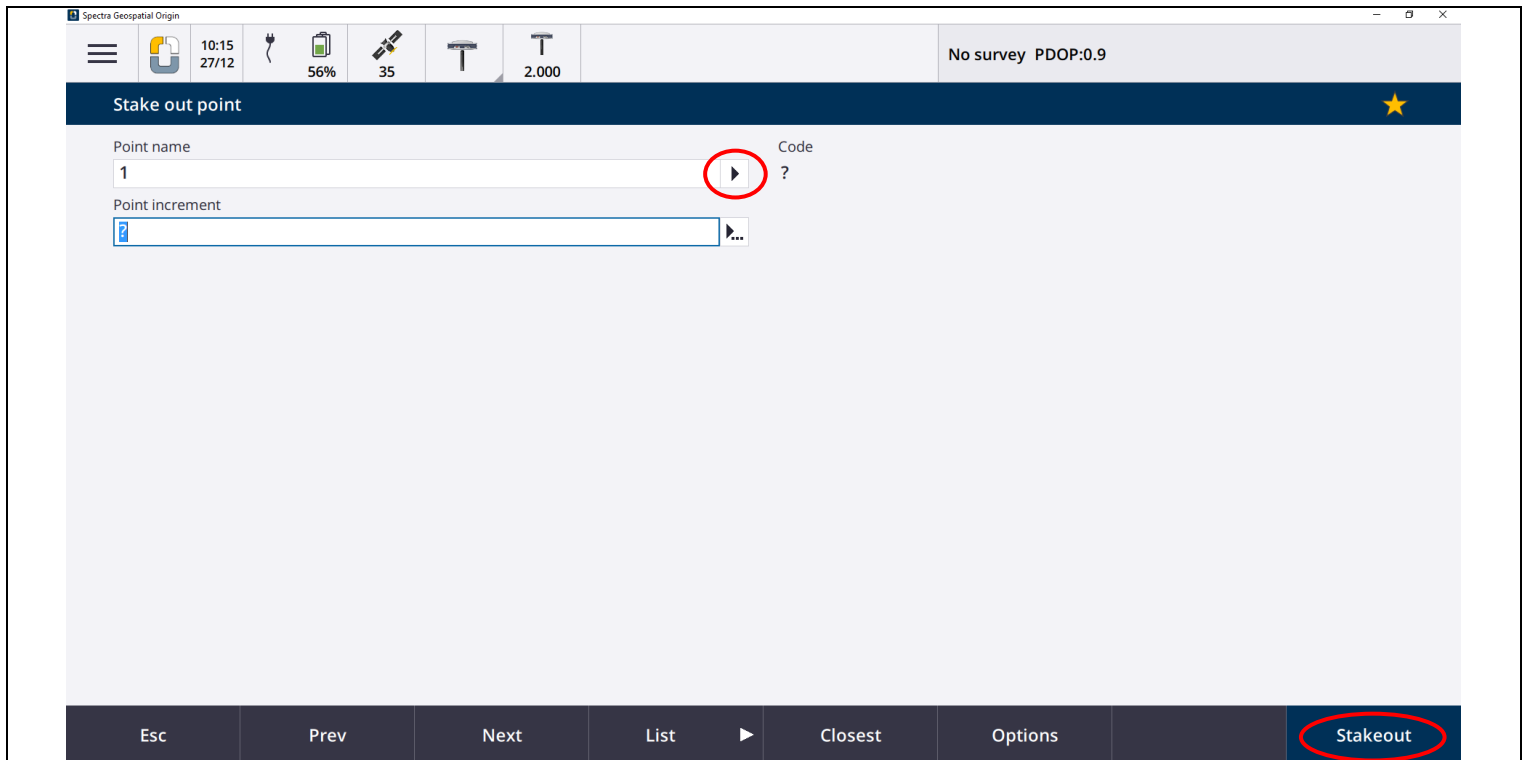
Easting: Field3

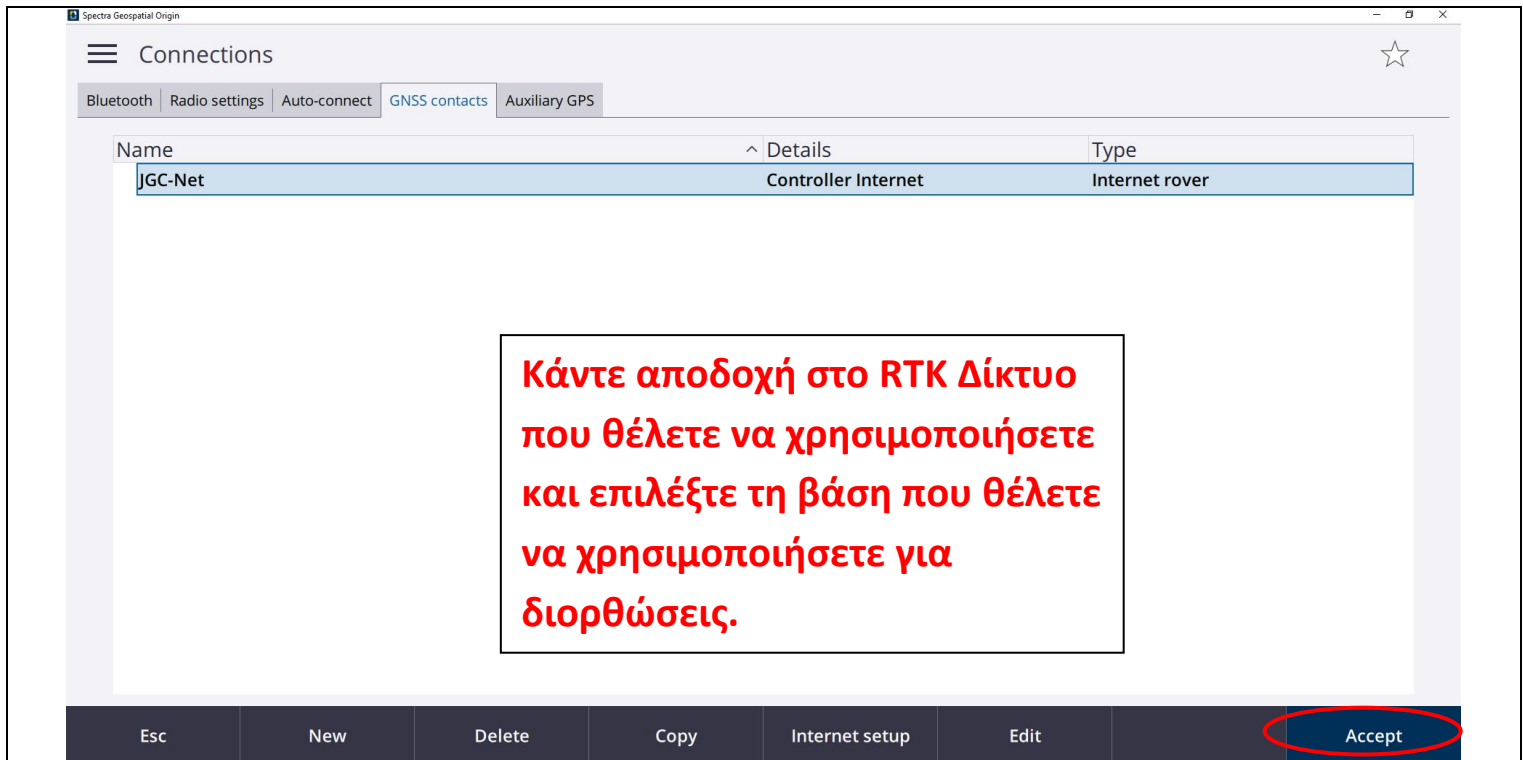
Null elevation: ?

Esc Eject USB **Accept**

Επιλέξτε το Format του αρχείου, τις λεπτομέρειες της εισαγωγής και τη θέση από την οποία θα προσθέσει το αρχείο.



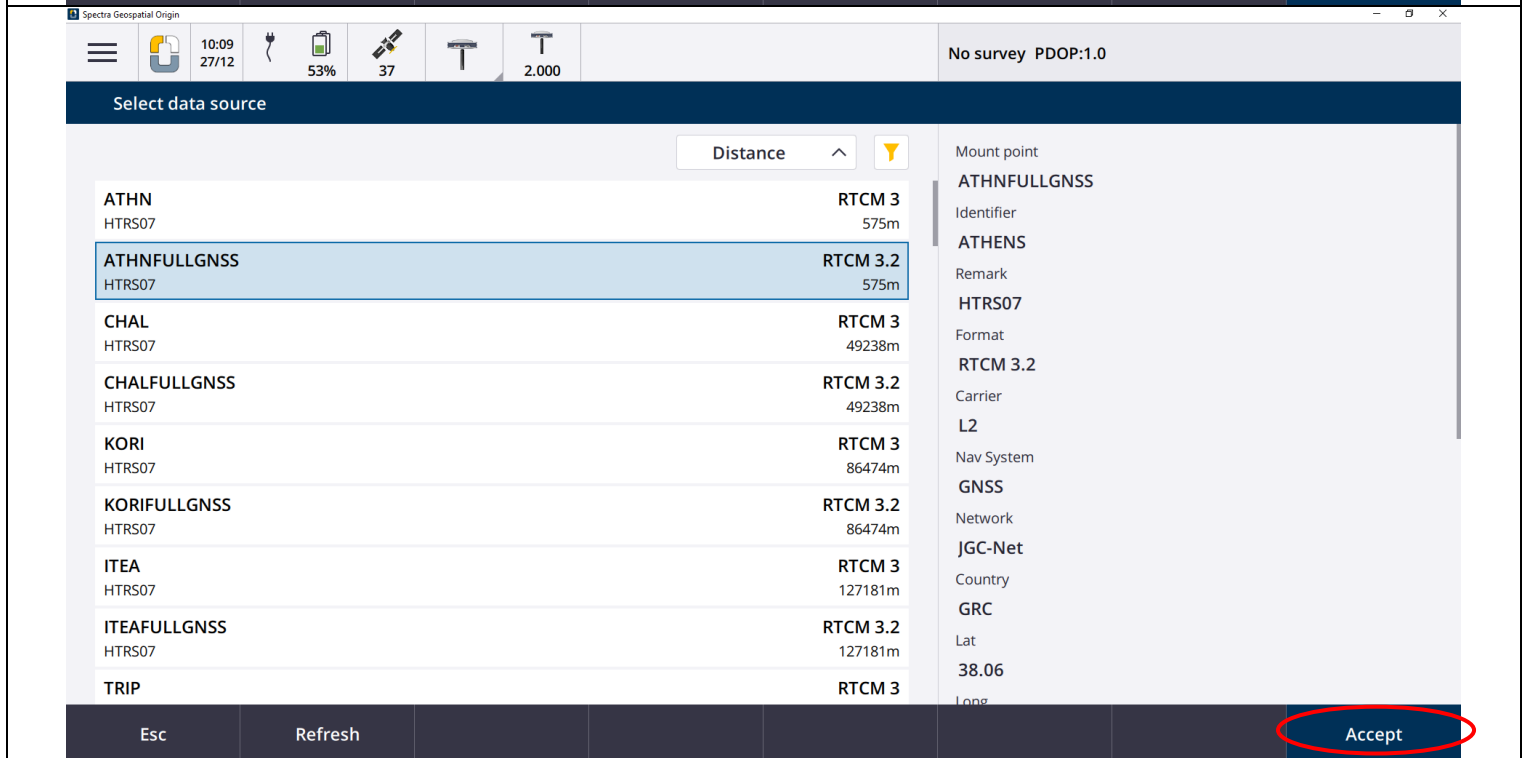




The screenshot shows the 'Connections' screen in Spectra Geospatial Origin. The 'GNSS contacts' tab is active, displaying a table with one entry: 'JGC-Net' with 'Controller Internet' as the type. A red text box is overlaid on the screen with the following text:

Κάντε αποδοχή στο RTK Δίκτυο που θέλετε να χρησιμοποιήσετε και επιλέξτε τη βάση που θέλετε να χρησιμοποιήσετε για διορθώσεις.

At the bottom of the screen, the 'Accept' button is circled in red.



The screenshot shows the 'Select data source' screen in Spectra Geospatial Origin. The 'Distance' filter is set to 'Y'. A list of data sources is shown, with 'ATHNFULLGNSS' selected. The details for this source are shown on the right:

Mount point	ATHNFULLGNSS
Identifier	ATHENS
Remark	HTRS07
Format	RTCM 3.2
Carrier	L2
Nav System	GNSS
Network	JGC-Net
Country	GRC
Lat	38.06
Long	

At the bottom of the screen, the 'Accept' button is circled in red.

