

Μέτρηση - Χάραξη με R12i για RTK σύνδεση στο JGC-Net με το Trimble Access

☰

Projects

New

Filter project

Last used

⬆



JGC

9/22/2023

Proof Defail

Δημιουργήστε ένα καινούργιο project.

test-moygiakos

9/15/2023

jgc intergrated

9/1/2023

JGC

Jobs (3)

110923

asso

jgc1804

Properties

Open

← New project

Name

TEST

Description

?

Reference

?

Location

?

Image

?



Esc



Create

← New job: TEST/DAY 1

☒ Create from template

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

Job name

DAY 1

Template

HEPOS EGSA

Properties

HEPOS EGSA

Coord. sys.

International Feet Scale Only 87 (Greece/TM87)

Units (Dist.)

Metric Scale Only

Layer manager

US Survey Feet Scale Only

Feature library

None

Esc

Accept



10:17
9/25



Από την κεντρική οθόνη πηγαίντε
απευθείας στη μέτρηση για να
μετρήσετε με το προεπιλεγμένο
Survey Style.

20m



Define

Measure

☰ Select Survey Style

NMEA

S5 R12I

RTK

RTK Network

RTK-2

SX10 & SX12

VX & S Series

IS Rover

Επιλέγεται το RTK Network και πατάτε Next.

Back

Next



10:18
9/25



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

Please wait

Connecting to GNSS rover via bluetooth
- Bluetooth: SP60_490046

Cancel

Settings



20m



Define

Measure

☰

Connections

☆

Bluetooth

Radio settings

Wi-Fi

Auto-co

Connect to GNSS rover

R12i 6246F00875 Trimble ▼

None

SP60_490046

Redmi_Christos

Bosch GLM50C x7809

R12i 6246F00875 Trimble

Bluetooth Device

None

None ▼

Connect to auxiliary GPS

None ▼

Connect to echo sounder

None ▼

Connect to printer

None

Esc

Search

Accept

Επιλέξτε το αντίστοιχο δέκτη και πατήστε Accept.

☰

10:19
9/25

68%

33

?

No survey PDOP:0.9

Select data source

Distance ^

ATHN

HTRS07

ATHNFULLGNSS

HTRS07

CHAL

HTRS07

CHALFULLGNSS

HTRS07

RTCM

RTCM 3

RTCM 3.2

494m

49237m

49237m

HTRS07

Format

RTCM 3.2

Carrier

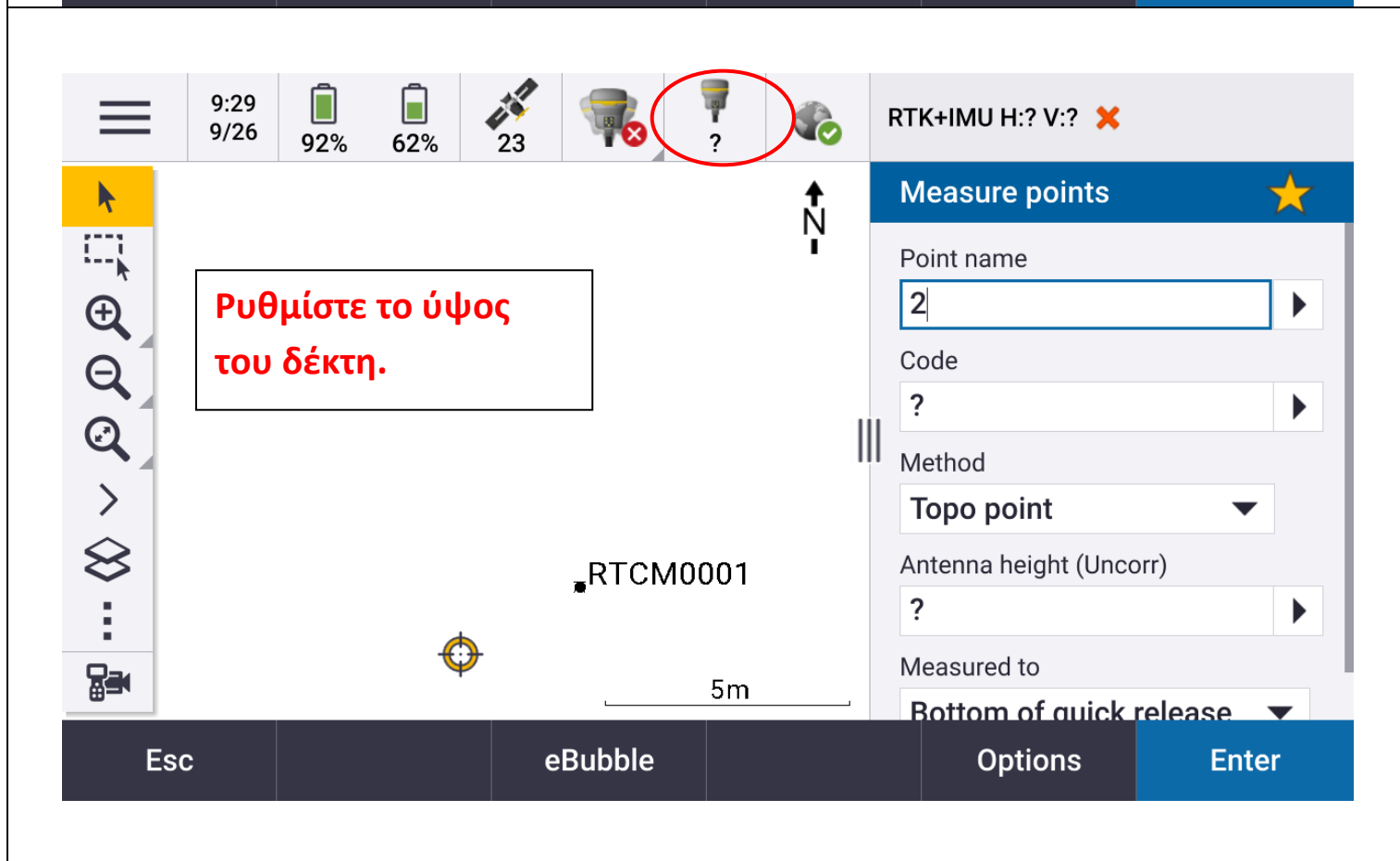
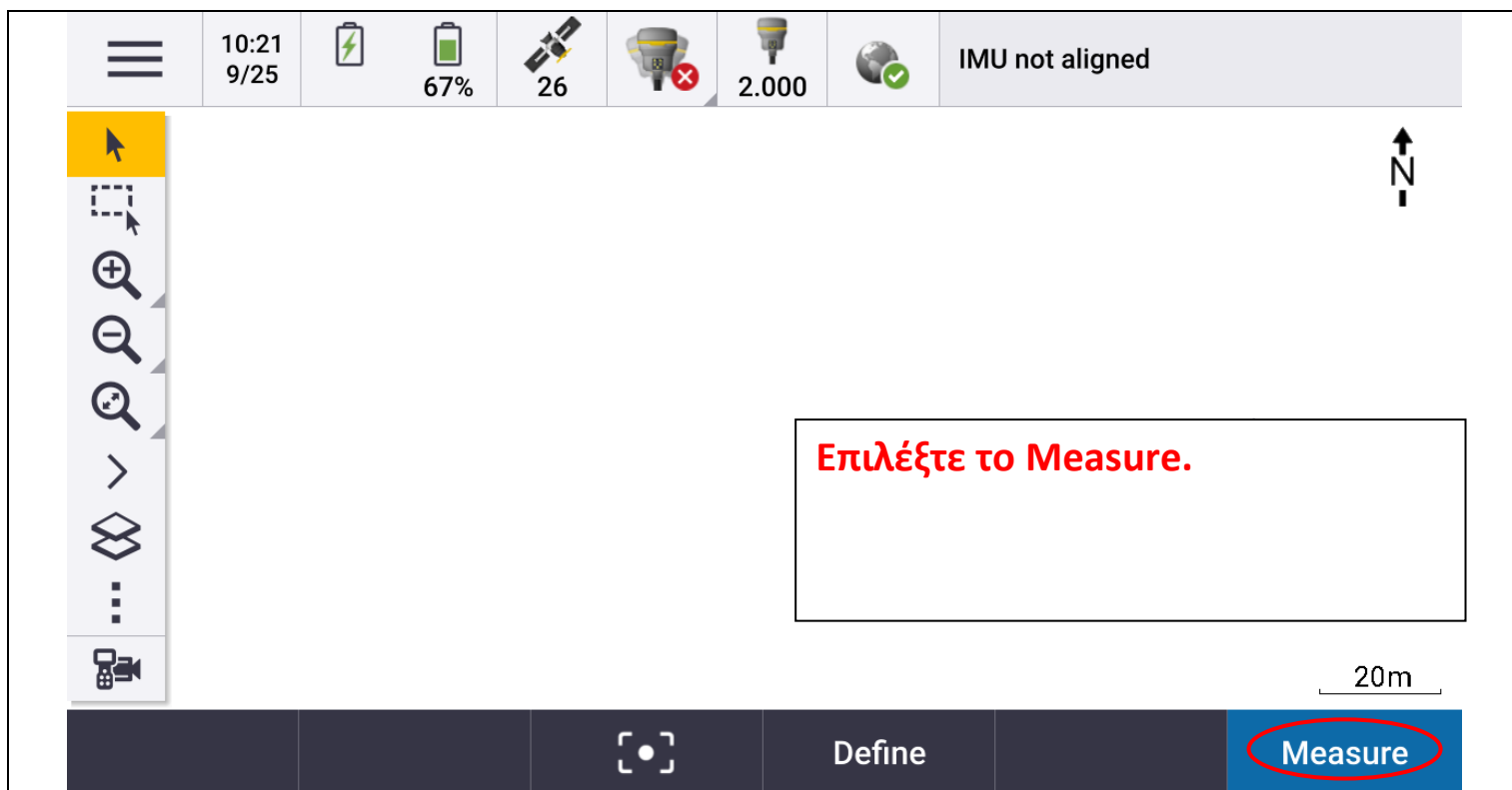
L2

Esc

Refresh

Accept

Επιλέξτε τη βάση που θέλετε να χρησιμοποιήσετε για διορθώσεις.





9:29
9/26

92%

62%

23







RTK+IMU H:? V:? 

GNSS antenna

Πατήστε Enter.



Type

R12i Internal

Measured to

Bottom of quick release 

Antenna height (Uncorr)

Antenna height (True)

?

AR camera setup

Setup configuration

Custom 

X

0.000m 

Y

0.000m 

Z

0.000m 

Esc

Enter



9:29
9/26

92%

62%

23



2.000



RTK+IMU H:? V:? 

GNSS antenna

Πατήστε Accept.



Type

R12i Internal

Measured to

Bottom of quick release 

Antenna height (Uncorr)

Antenna height (True)

2.179m

AR camera setup

Setup configuration

Custom 

X

0.000m 

Y

0.000m 

Z

0.000m 

Esc

Accept

☰

10:20
9/25

67%

20

?

IMU not aligned

☑

☒

+

-

☒

>

☐

⋮

📷

↑

↓

↔

↕

↖

↗

↘

↙

20m

Measure points

Point name

1

Method

Topo point

Topo point

Rapid point

Observed control point

Calibration point

Hz. tilt offset

Esc

eBubble

Options

Start

Μετρήστε και καταγράψτε σημεία με τη μέθοδο που επιθυμείτε.

☰

9:29
9/26

92%

62%

23

2.000

RTK+IMU H:0.020m V:0.011m

☑

☑

☒

+

-

☒

>

☐

⋮

📷

↑

↓

↔

↕

↖

↗

↘

↙

5m

RTCM0001

Measure points

Point name

2

Code

?

Method

Topo point

Antenna height (Uncorr)

2.000m

Measured to

Bottom of quick release

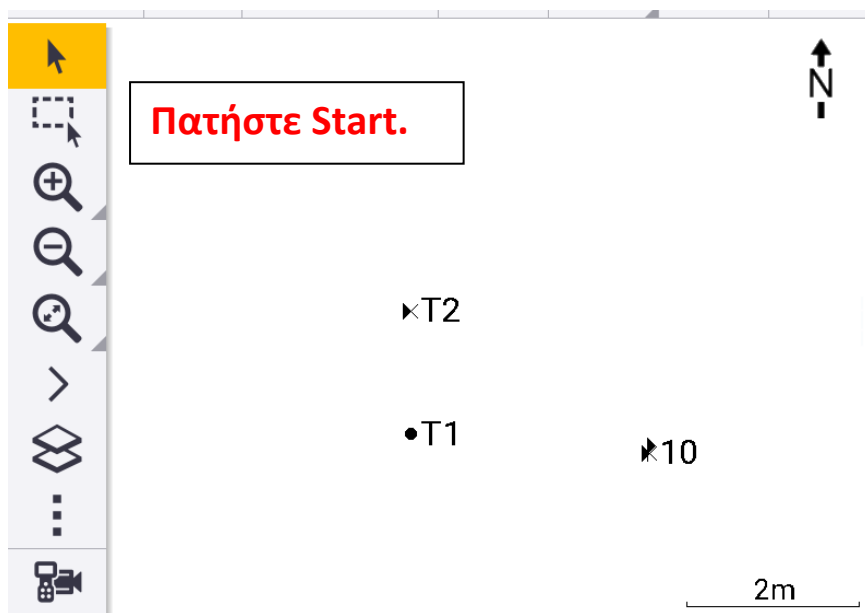
Esc

Options

Enter

Μετακινηθείτε λίγα μέτρα για να βαθμονομηθεί το IMU. Στη συνέχεια πατήστε Enter.

7 | Page



Measure points ★

Point name

Code

Method

Topo point

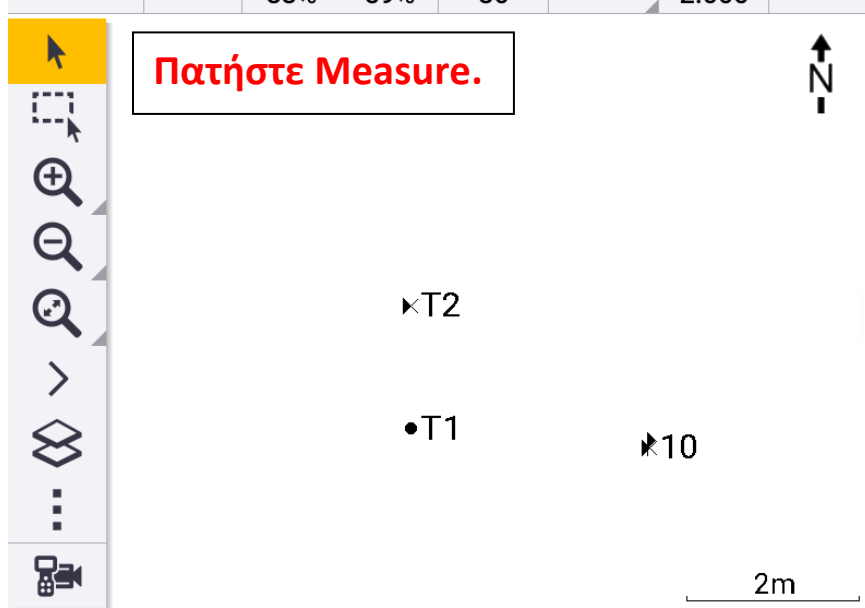
Antenna height (Uncorr)

Measured to

Bottom of quick release

Esc
eBubble
Options
Start

2:59
9/26
83%
59%
30
2.000
RTK H:0.007m V:0.013m ✓



Measure points ★

Point name

Code

Method
 Topo point

Status

Waiting for level

Antenna height (Uncorr)

End
eBubble
Options
Measure

Project
TEST

Job
DAY 1

★ Favorites

📁 Job data

🌐 General Survey

📝 Key in

📏 Cogo

👤 Measure

📍 Stakeout

🔧 Instrument

Measure points

Measure codes

Measure laser points

Measure to surface

Continuous topo

Site calibration

RTK initialization

End GNSS survey

Integrated surveying

11

Code

?

Method

Topo point

Status

Waiting to move

Antenna height (Uncorr)

2.000m

☰

10:23
9/25

🔋 67%

📶 25

🔧

2.000

🌐

RTK+IMU H:? V:? ✖

Survey ended

Power down receiver?

Yes

No

Esc

Accept

**Ολοκληρώστε την εργασία σας
και κλείστε αν επιθυμείτε το
δέκτη.**

Project
TEST

Job
DAY 1

★ Favorites

Job data

General Survey

Key in

Cogo

Measure

Stakeout

Instrument

Favorites

Review job 1

Point manager 2

Key in note 3

Measure points

Measure codes

Stake out point

Return to

Map

Πλοηγηθείτε στο point manager για να διαχειριστείτε τις μετρήσεις σας και στο job για να κάνετε εξαγωγή των μετρήσεών σας.

← TEST

↺

👤

New

Filter job

🔍

📁 ↑ No folders

Last used ^

+

DAY 1

10:16 AM

Επιλέξτε το Export.

DAY 1

⋮

Status

New

Esc

Properties

Import

Export

Copy

Open

Export



File format

Comma Delimited (*.CSV, *.TXT) ▼

File name

DAY 1.csv

Point name

Field1 ▼

Point code

Field5 ▼

Northing

Field3 ▼

Easting

Field2 ▼

Elevation

Field4

View created file

☐

Επιλέξτε το Format του αρχείου, τις λεπτομέρειες της εξαγωγής και τη θέση στην οποία θα αποθηκευτεί το αρχείο.

Esc

Accept



TEST



DAY 1



New

Filter job



No folders

Last used



2

10:44 AM



DAY 1

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

Esc

Properties

Import

Export

Copy

Open

Import



File format

Comma Delimited (*.CSV, *.TXT) 

File name

DAY 1.csv 

Point name

Field1 

Point code

Field5 

Northing

Field2

Easting

Elevation

Field4

Null elevation

?

Overwrite 

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

Esc

Accept

Project
TEST

Job
DAY 1

★ Favorites

📁 Job data

🌐 General Survey 

📝 Key in

📐 Cogo

👤 Measure

👤 Stakeout

👤 Instrument

Points

Lines

Arcs

Polylines

Alignments

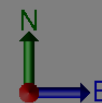
DTMs

Elevation

End GNSS survey

Integrated surveying

RTK+IMU H:? V:? ✖



Measure point

Πλοηγηθείτε στη χάραξη και επιλέξτε το είδος των στοιχείων που θέλετε να χαράξετε.

5m



10:57
9/25

 98%
  63%
  27
 

2.000



RTK+IMU H:? V:? 

Stake out point 

Point name

Point increment

Code

?

Επιλέξτε τα στοιχεία που θέλετε να χαράξετε και πατήστε stakeout.



Esc

Prev

Next

List 

Closest 

Stakeout



Select Survey Style

NMEA

RTK

RTK Network

RTK-2

SX10 & SX12

VX & S Series

IS Rover

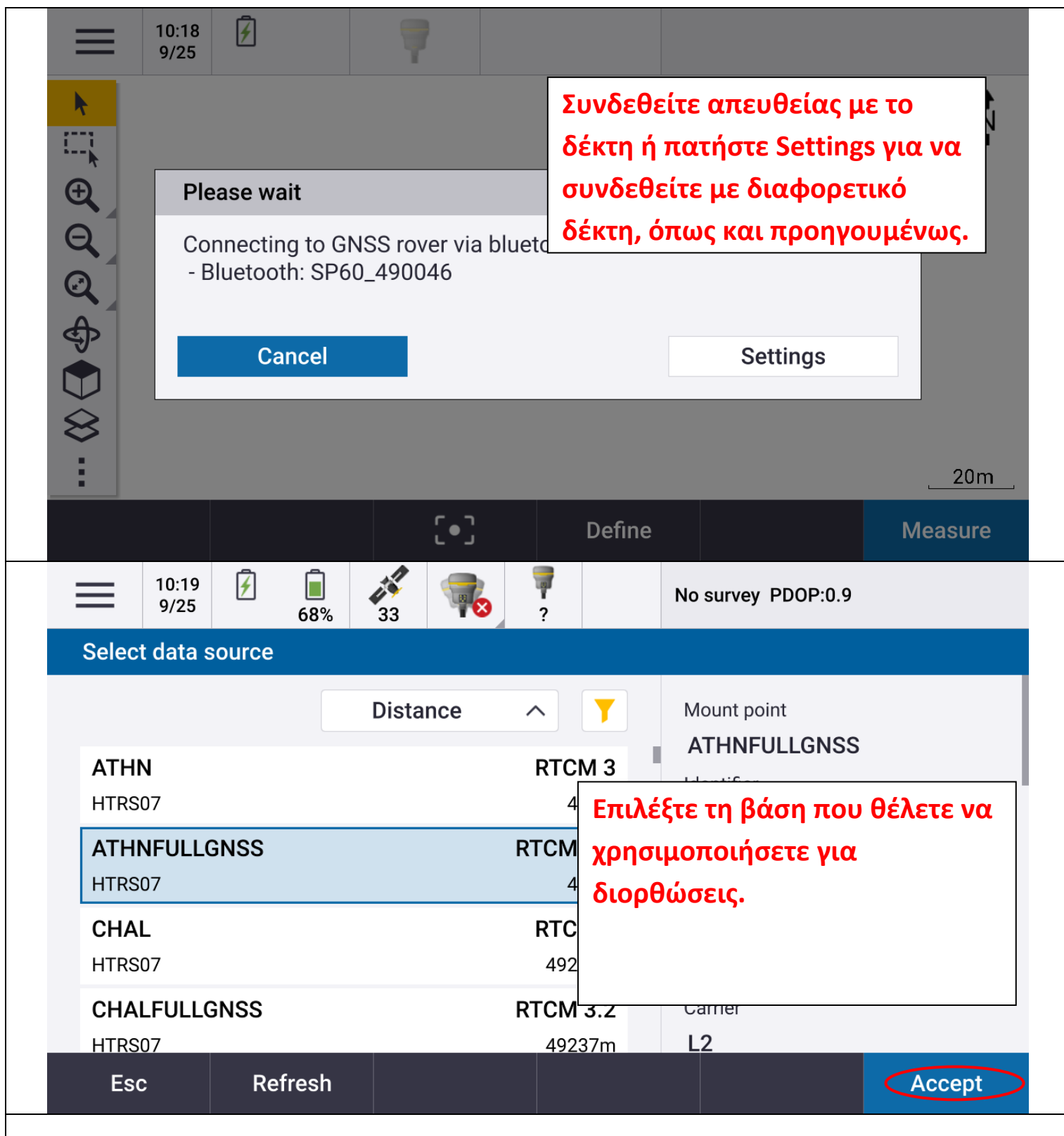
S

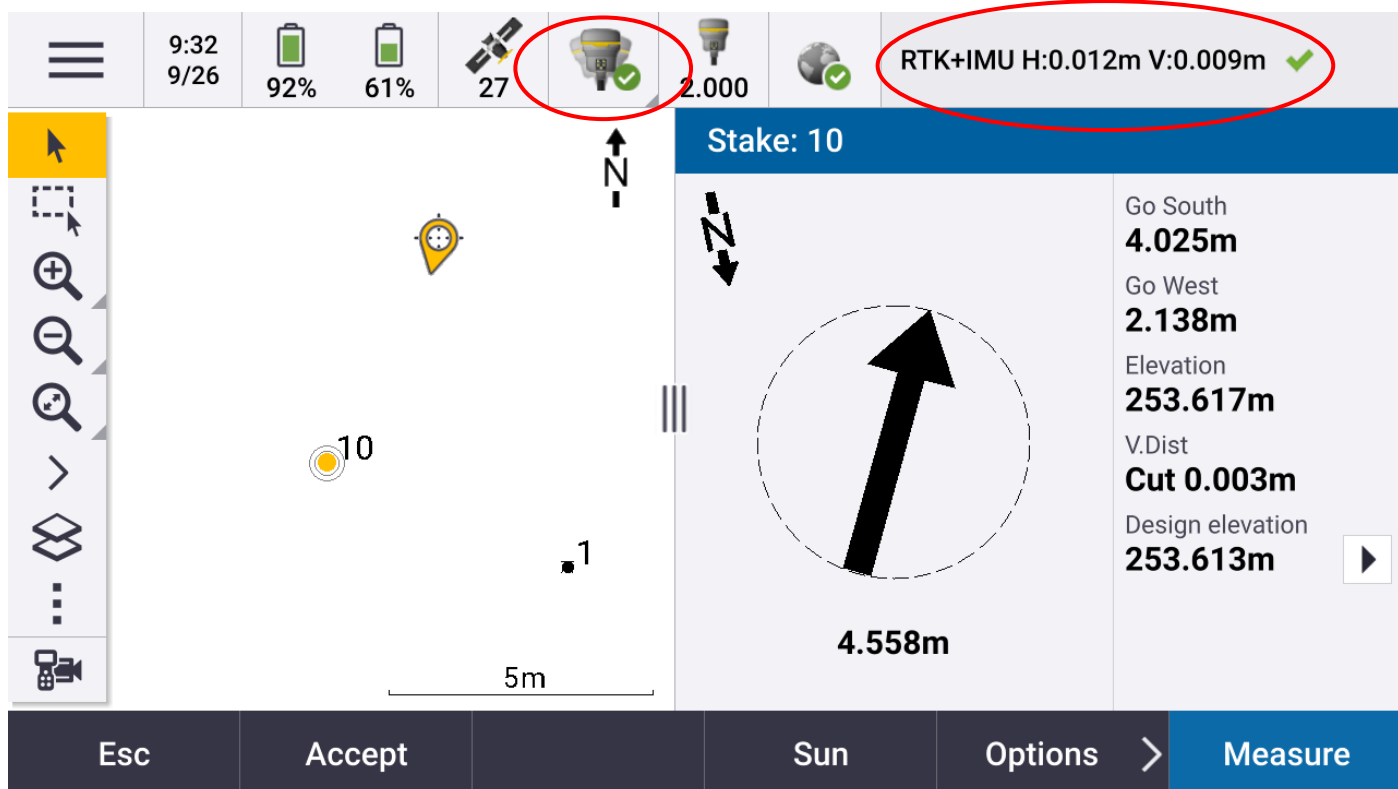
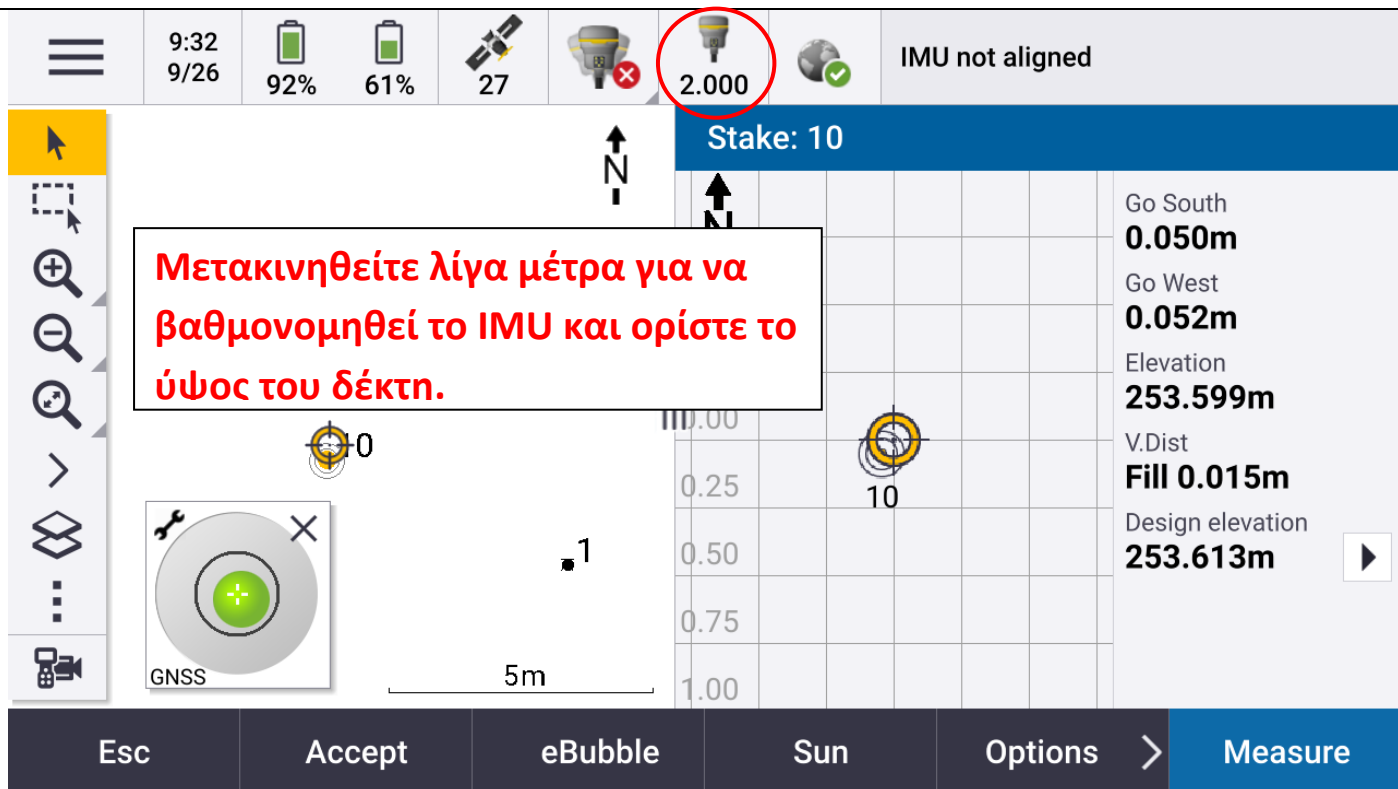
Επιλέγεται το RTK Network και πατάτε Next.

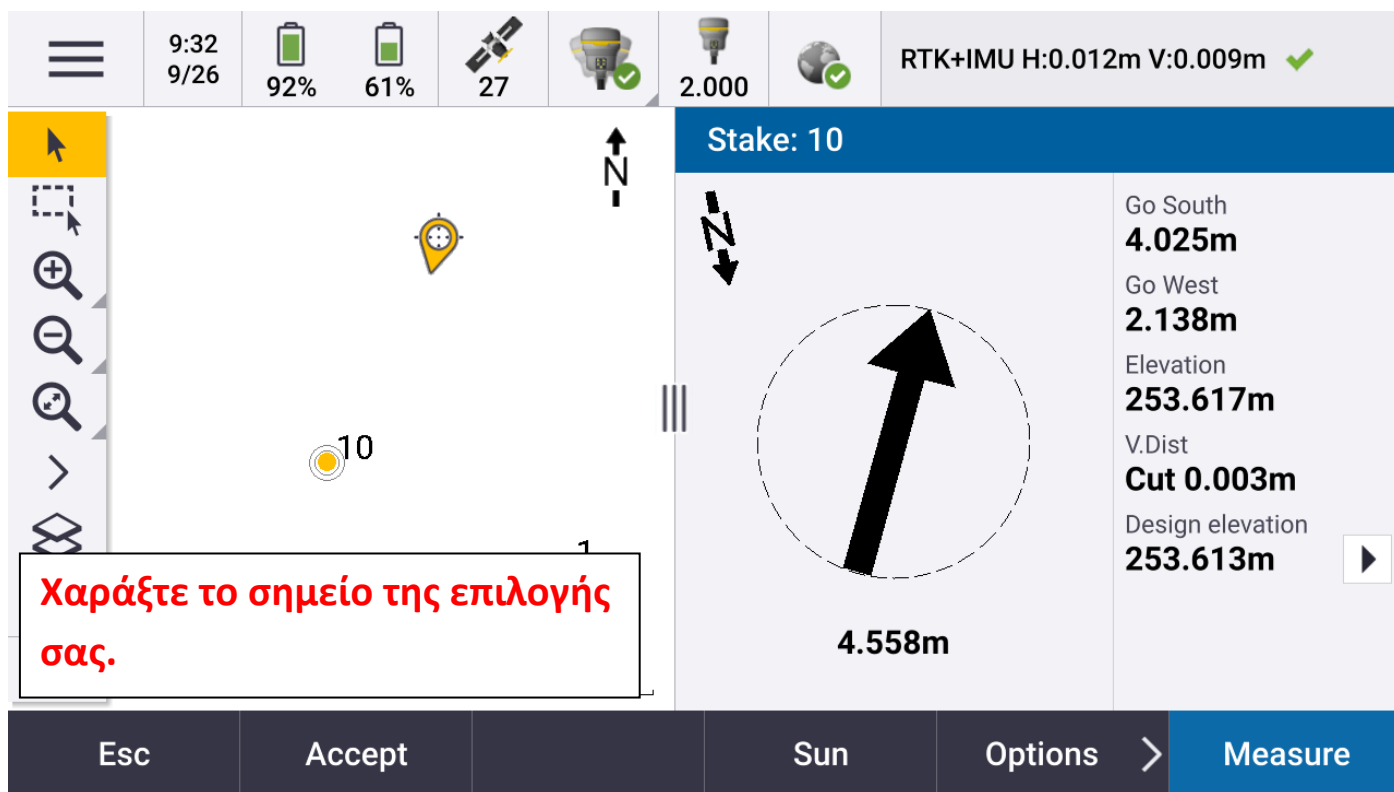
Back

Next

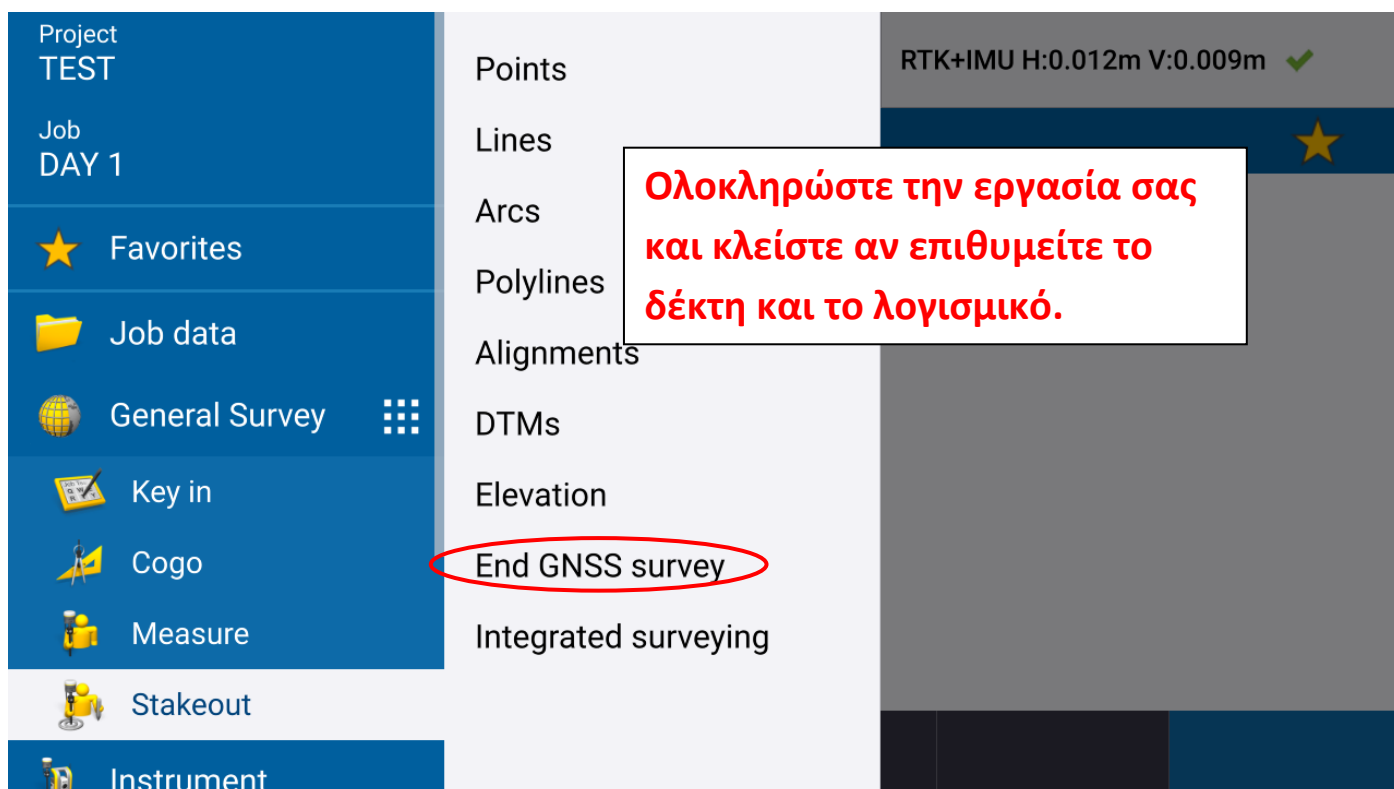
13 | Page







The screenshot shows the JGC software interface. At the top, there is a status bar with various icons and data: a menu icon, time (9:32 9/26), battery levels (92%, 61%), signal strength (27), a green checkmark, a distance of 2.000, and RTK+IMU H:0.012m V:0.009m with a green checkmark. Below the status bar, the main area is split into two panels. The left panel shows a map with a yellow location pin and a point labeled '10'. A red text box with a white border is overlaid on the map, containing the text: **Χαράξτε το σημείο της επιλογής σας.** The right panel shows a stakeout screen for 'Stake: 10'. It features a large black arrow pointing upwards, a dashed circle, and a distance of 4.558m. To the right of the arrow, there is a list of measurements: Go South 4.025m, Go West 2.138m, Elevation 253.617m, V.Distance Cut 0.003m, and Design elevation 253.613m. At the bottom of the screen, there is a navigation bar with buttons: Esc, Accept, Sun, Options, and Measure.



The screenshot shows the JGC software interface with a menu open. The menu is divided into two columns. The left column contains: Project TEST, Job DAY 1, Favorites (with a star icon), Job data (with a folder icon), General Survey (with a globe icon and a 3x3 grid icon), Key in (with a notepad icon), Cogo (with a surveying instrument icon), Measure (with a person icon), Stakeout (with a person icon), and Instrument (with a person icon). The right column contains: Points, Lines, Arcs, Polylines, Alignments, DTMs, Elevation, End GNSS survey (circled in red), and Integrated surveying. A red text box with a white border is overlaid on the menu, containing the text: **Ολοκληρώστε την εργασία σας και κλείστε αν επιθυμείτε το δέκτη και το λογισμικό.** At the top right of the screen, there is a status bar with RTK+IMU H:0.012m V:0.009m and a green checkmark.



10:23
9/25

67%

25



2.000



RTK+IMU H:? V:? 

Survey ended

Power down receiver?

Yes

No

Esc

Accept

General Survey 

Key in

Cogo

Measure

Stakeout

Instrument

Settings

Help

About

Exit

Favorites 

Review job1

Point manager2

Key in note3

Measure points4

Measure codes5

Stake out point6

Return to

Stake out point

Map