

## MTS Viva Quick Guide CS15

### 1. Start Up.

-Turn on Smart Antenna

-Turn on CS15 Controller (may take a moment as boots and open Viva program)...Press F1 (Next) if needed until getting to Main Menu (below):



-When reaching Main Menu – look for the unit to get “Connected to Internet and an initial position (no yellow yield sign over globe and the “steering wheel in upper left corner) (See next picture).

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G 5

CS

GS

**Survey: Default**

Survey

Code

Map

**Point ID:**

**Code:**

**Linework:**

**Antenna height:**

ft

**2D CQ:**
24.4834ft

3DCQ:34.3ft

2DCQ:24.5ft

1DCQ:24.0ft

Fn abc

14:26

Meas

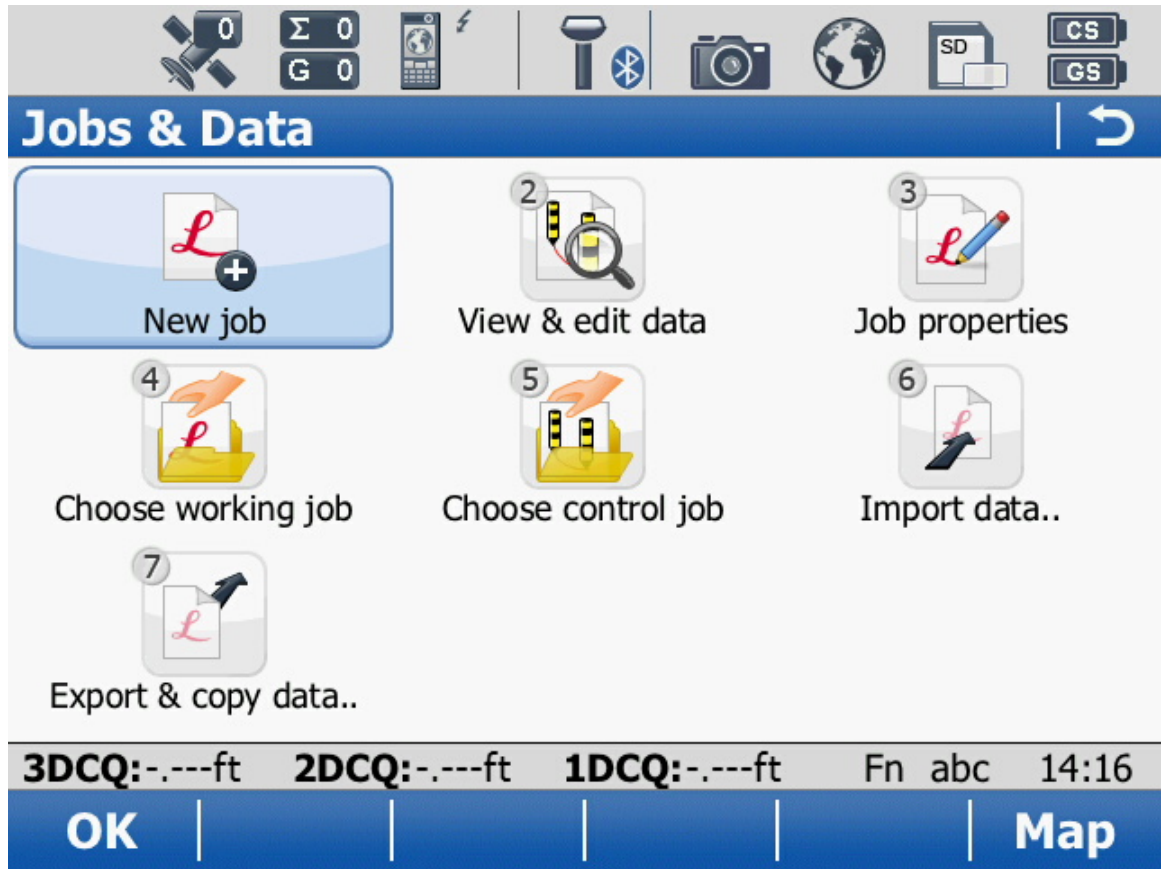
Near

HdnPt..

Page

2. Create Job.

- In Main Menu, press/tap 2 Jobs/Data
- New Job;



In General Tab, Enter Name and job details, then go to the Coord Sys tab to select desired Coordinate System. Press F1 Store to create job and return to Main Menu.

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New Job

General

Codelist

CAD files

Coord system

Averaging

Name:

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Description:

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Creator:

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Device:

SD card ▼

3DCQ:-.---ft

2DCQ:-.---ft

1DCQ:-.---ft

Fn abc


14:16

Store

Page

3. Data Collection.

-From Main Menu press 1 Go To Work, then 1 Survey to get to basic data collection screen (below);

			
<b>Survey: Default</b>			
Survey	Code	Map	
<b>Point ID:</b>	<input type="text" value="-----"/>		
<b>Code:</b>	<input type="text" value="-----"/>		
<b>Linework:</b>	<input type="text" value="-----"/>		
<b>Antenna height:</b>	<input type="text" value="6.5617"/>		ft
<b>2D CQ:</b>	24.4834ft		
<b>3DCQ:</b> 34.3ft <b>2DCQ:</b> 24.5ft <b>1DCQ:</b> 24.0ft    Fn abc    14:26			
<b>Meas</b>	<b>Near</b>		<b>HdnPt.. Page</b>

-Highlight Pt ID and enter desired starting point #

CONNECT TO BASE STN:

-*press (FNC) then F3 (CONNECT)*, if successful, status line should indicate “Successfully Connected” and the arrow on top status screen should begin to flash downward.

-Error qualities should begin to come down to float solution (1-2’), and then when you see two checks signs above the position indicator the unit should initialize to fine mode. (Below):

**Survey: Default**

Survey | Code | Map

**Point ID:** 1

**Code:** PK

**Linework:** ----

**Antenna height:** 6.5617 ft

**RTK positions:** 15

**Msd PP obs:** 4

**2D CQ:** 0.0427ft

3DCQ:0.07ft 2DCQ:0.04ft 1DCQ:0.06ft Fn ABC 14:28

Stop | | | Page

-Highlight Code field and enter desired code.

-Level over desired point and press OK key to take observation. The RTK positions counter will begin climbing, of raw data logging then PP obs counter will climb at 5 or 15 second interval.

Then press F1 to store point if the desired accuracy and time averaging is met. Point ID should increment and you can continue observing more points.

4. **Reviewing Data:** Press the polygon and area symbol in upper right corner of screen to view point list. Highlight point number desired and press F3 Edit
5. **Check Current Position:** Press the plus sign in upper left corner and go to View Current Position
6. **Changing Servers/Networks:** Press the plus sign in upper left corner and go to “Server/Mountpoint”, and choose the desired Network.