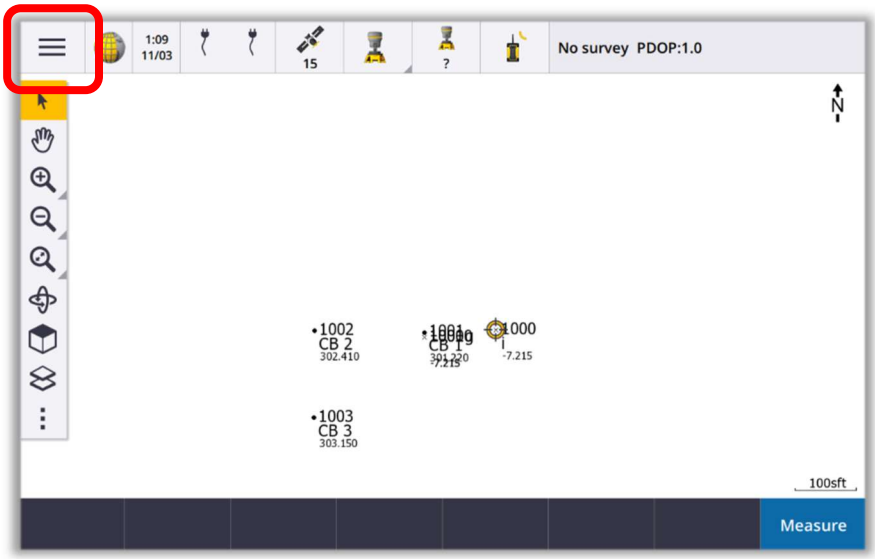
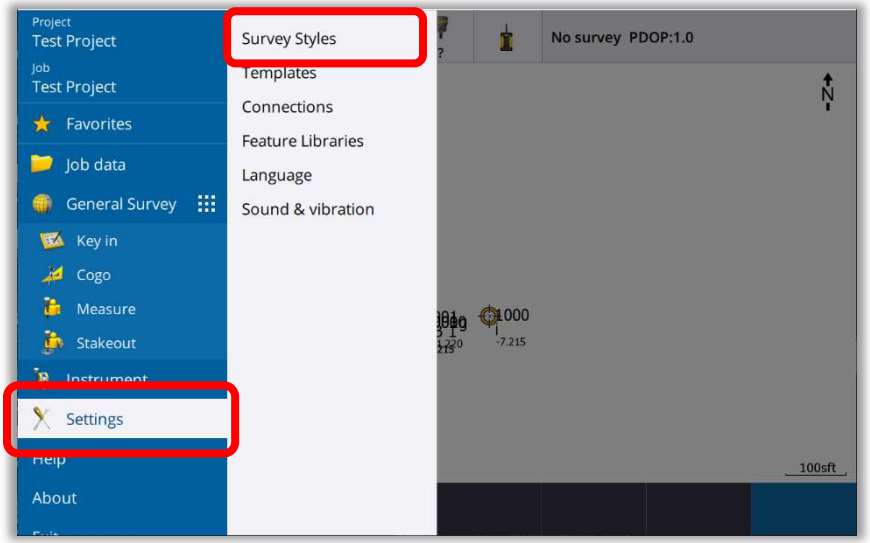
WSRN Trimble Access Setup for R10-2, R12 and R12i

Configuring a R10-2, R12 or R12i to run on the WSRN (Washington State Reference Network). These are the optimal settings to take full advantage of all the satellite constellations being tracked by the WSRN. Before you proceed insure that have established your internet connection and paired your receivers via Bluetooth.

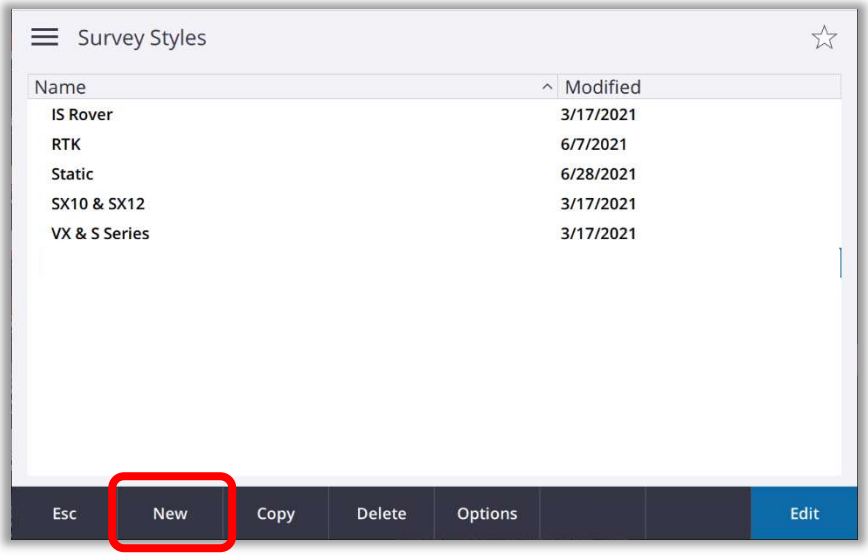
From the Home Screen select the  Button in the top left corner.



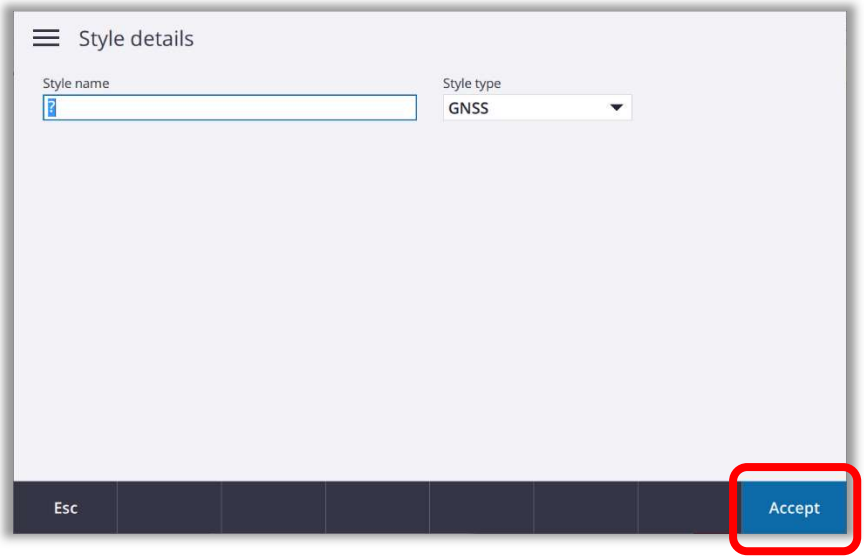
Choose **Settings** and then select **Survey Styles**



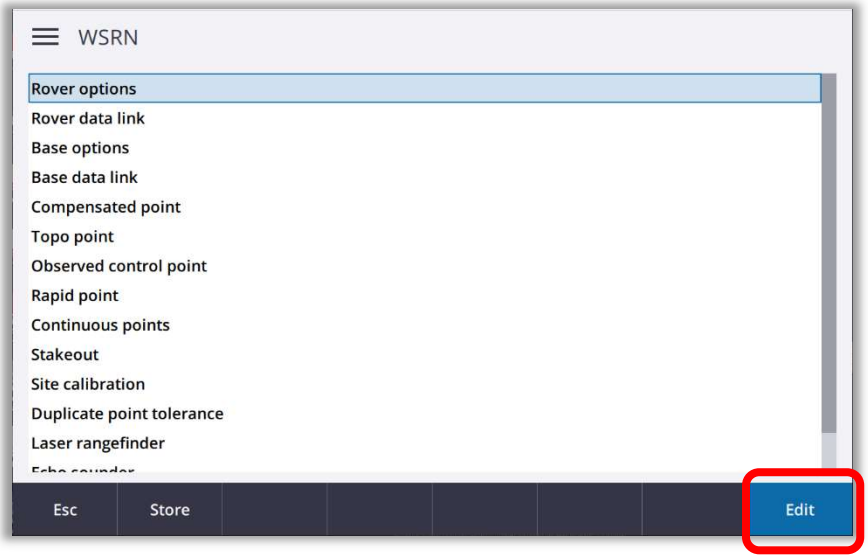
Select **New** at the bottom on the screen to create a new Survey Style.



Name your new Style and Select GNSS in the Survey Style drop down and **Accept.**



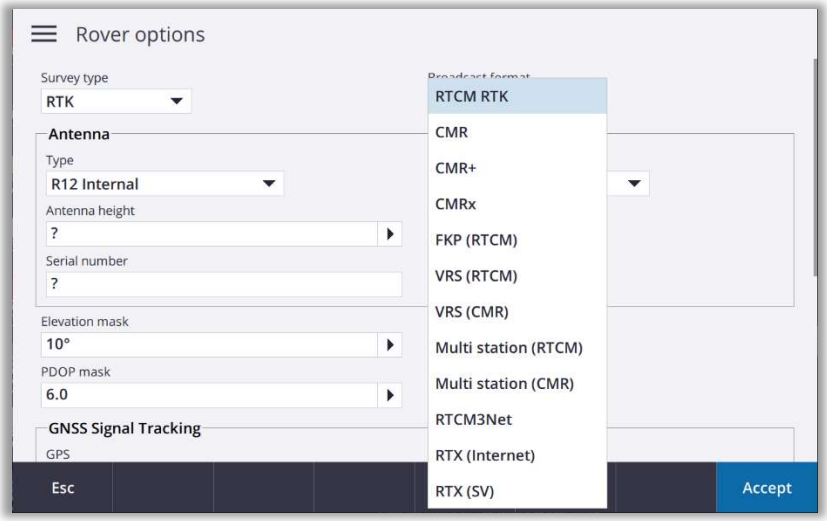
Chose **Rover Options** and select **Edit**



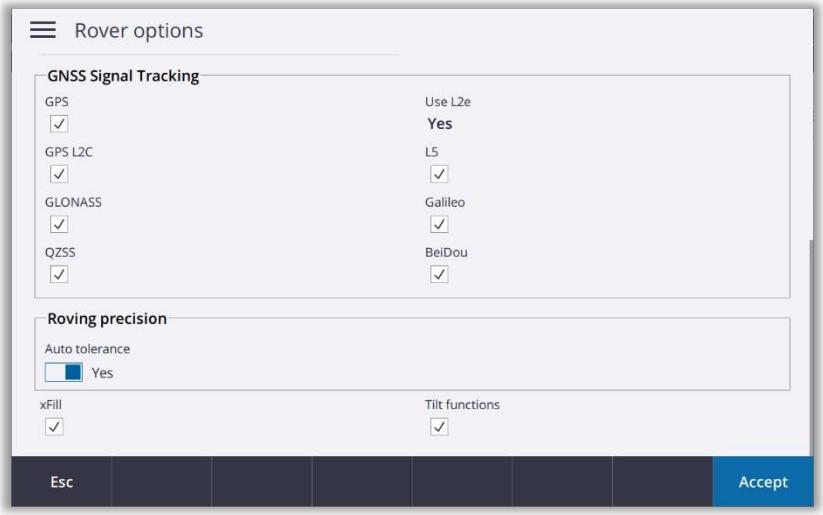
Make sure your **Survey type** is set to RTK and your Antenna **Type** is set to match the receiver that you are using (R10-2, R12 or R12i).

For “Broadcast format” drop down select:
RTCM RTK for Single-base ***(recommended)***

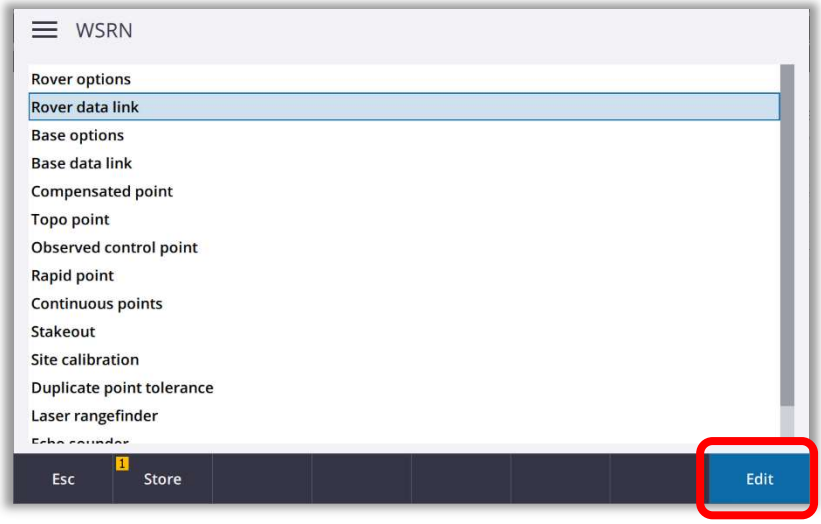
VRS (RTCM) for Network Mount Points



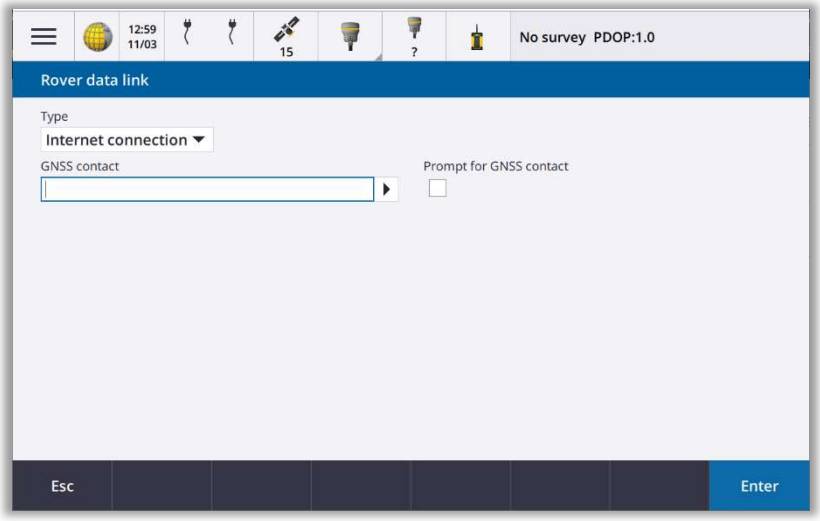
Scroll down to **GNSS Signal Tracking** and make sure that all the boxes are checked. Hit **Accept.**



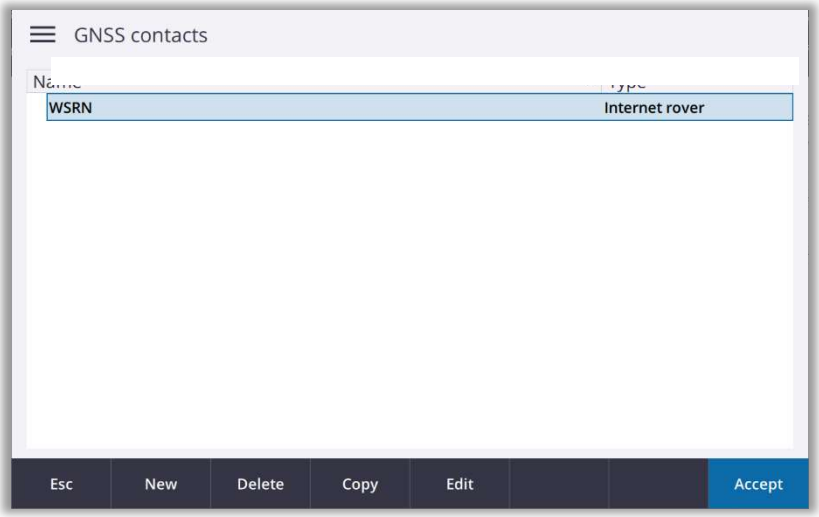
Next choose **Rover data link** and then **Edit**



Set the **Type** to **Internet Connection.** Select the arrow next to the **GNSS Contact** box.



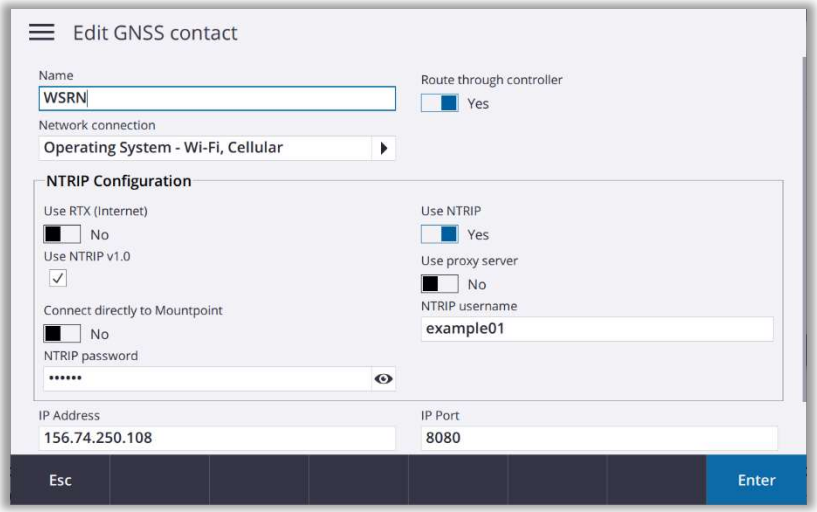
Select **New** to create new GNSS contact



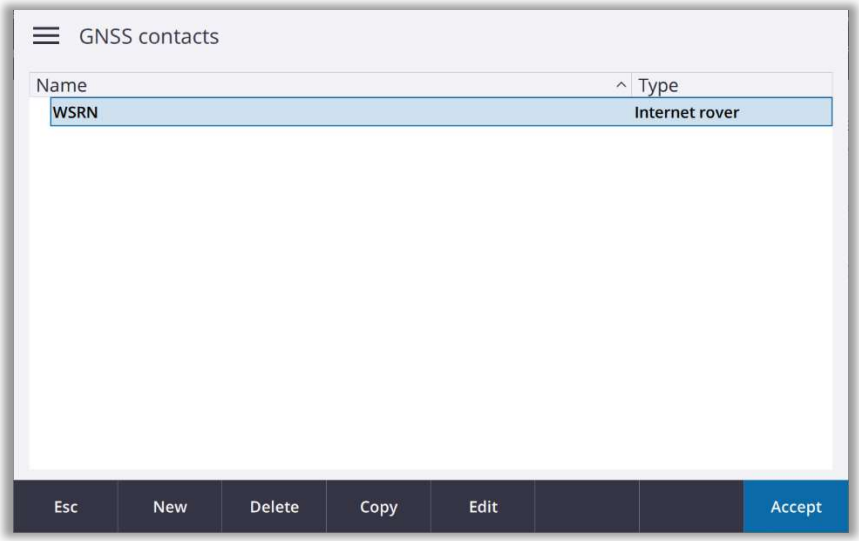
Enter you desired **Name** for your new GNSS contact (in this case **WSRN**). Select **Operating System – WiFi, Cellular** from the Network Connection drop down. Enter the **NTRIP username** and **NTRIP password** associated with your WSRN User Account.

Enter the one of the WSRN IP server addresses in the **IP Address** Box.
156.74.250.108 or **156.74.250.121** (both will work)

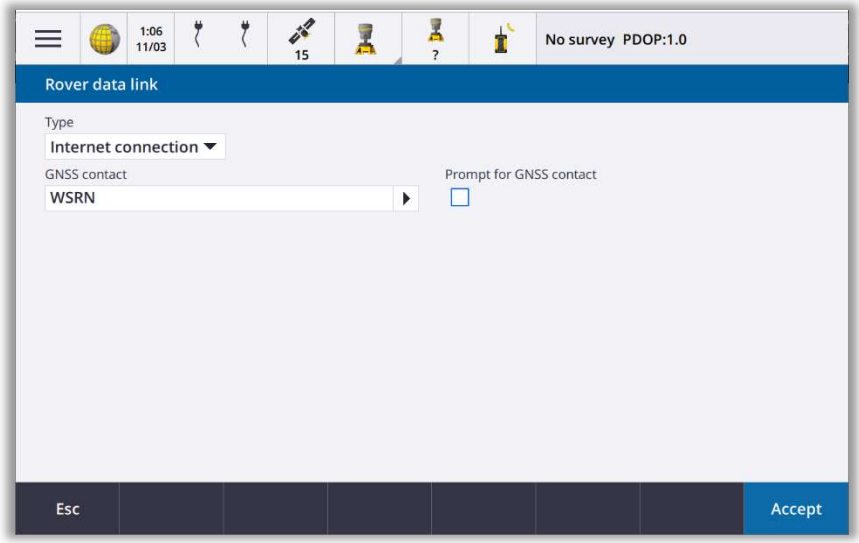
Enter the **IP Port** number **8080.** Select **Enter** and then **Store.**



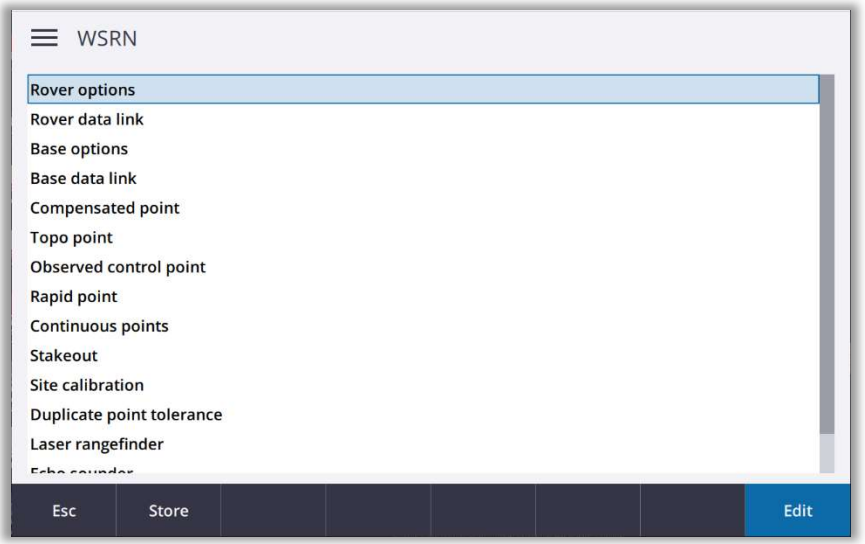
Hit **Accept** to accept GNSS contact settings



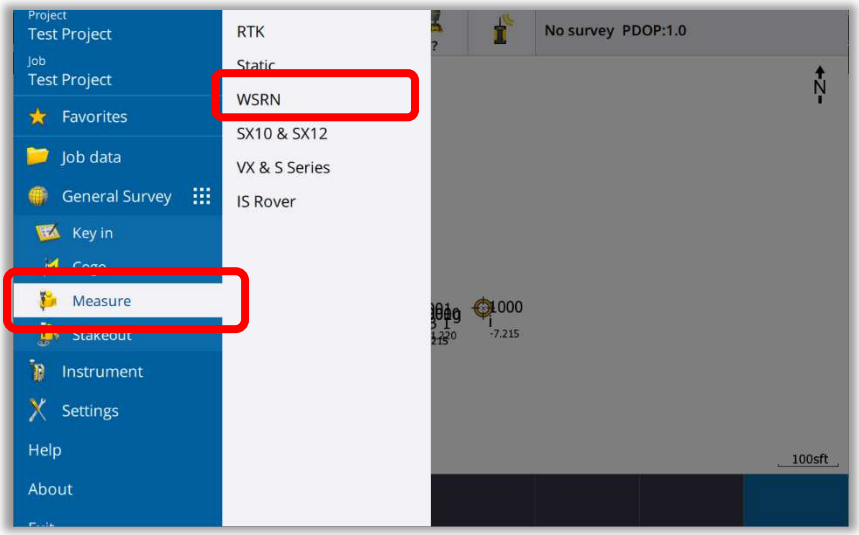
Hit **Accept**



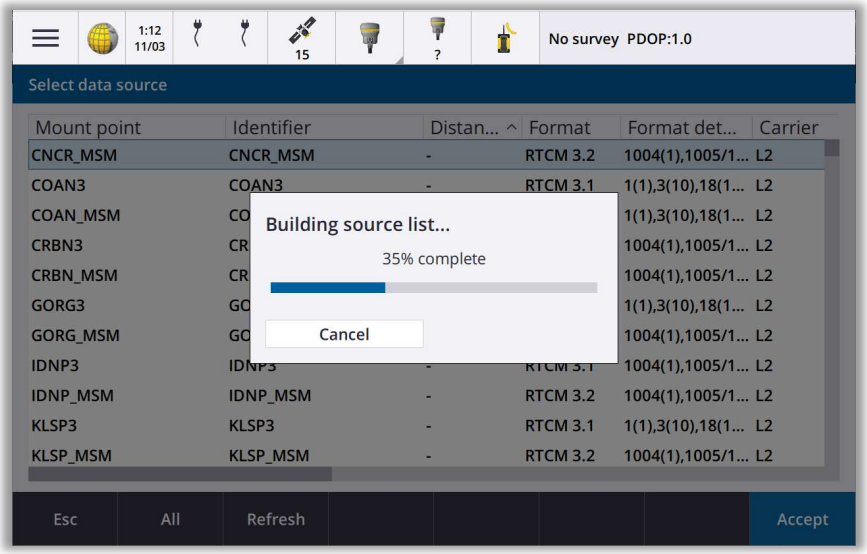
Select **Store** to save and exit your new Survey Style.



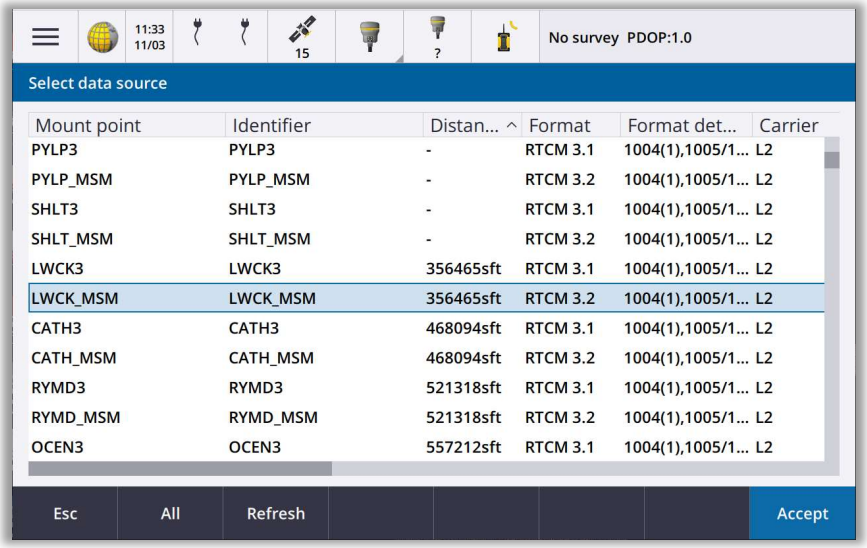
Back on the main screen select ☰ then **Measure** > Your Survey Style (**WSRN**)



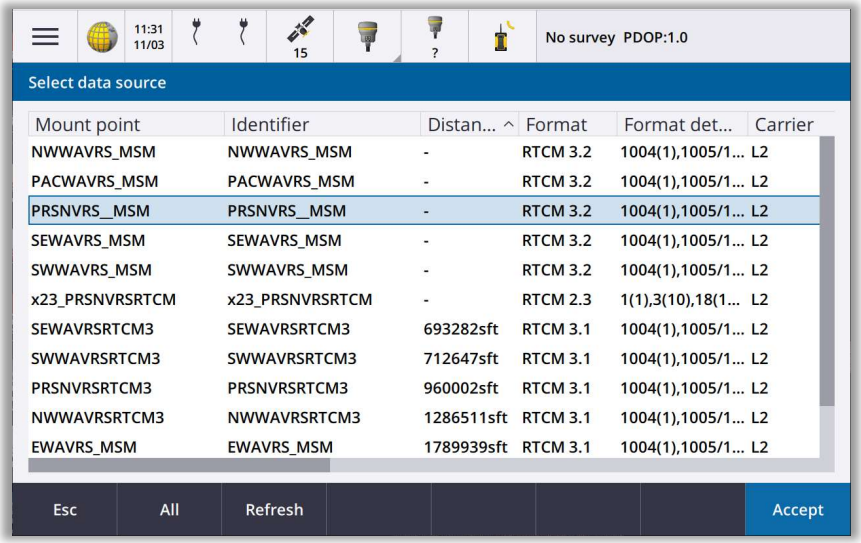
Access will begin to Build your source list



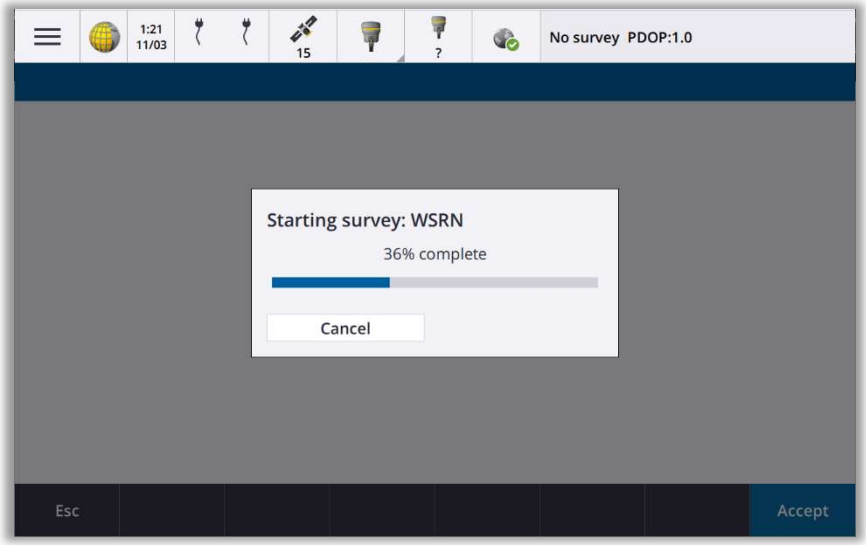
Single base:
If your Survey Style Broadcast Format is set to **RTCM RTK** (Single-base Mountpoints) you will see each individual base listed by Distance. Select the base closest to your project (see map on last page of this document). Select the Mount Points ending in **_MSM** for full multi-constellation tracking. Hit **Accept**



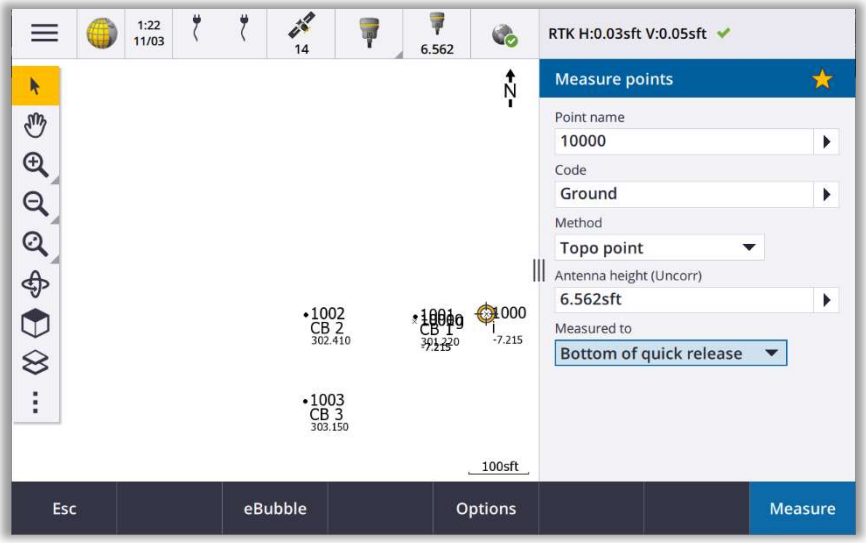
Network base:
If your Survey Style Broadcast Format is set to **VRS (RTCM)** (Network Mountpoints) select the Network for your region (see map on last page of this document). Select the Mount Points ending in **_MSM** for full multi-constellation tracking. Hit **Accept**



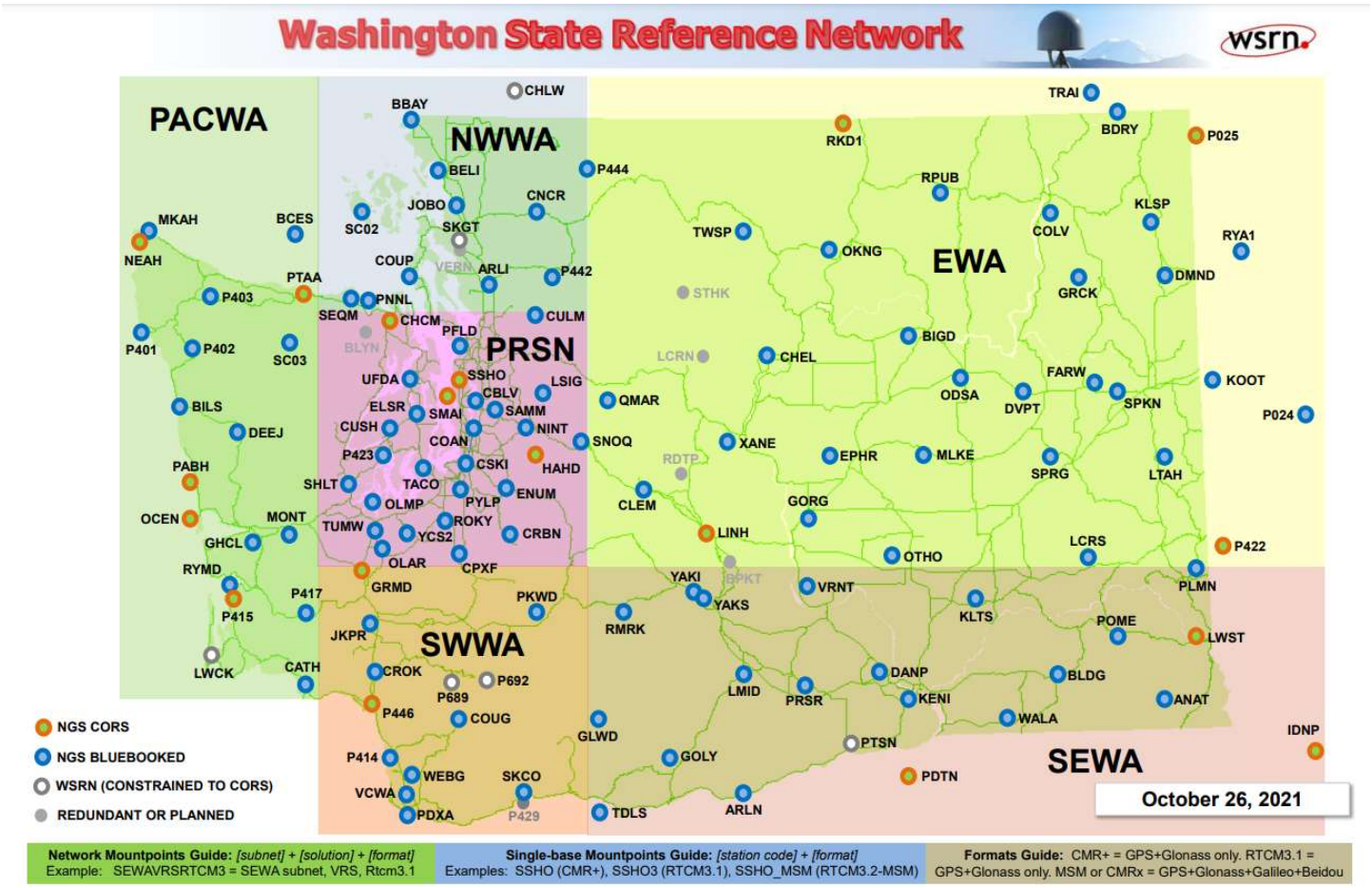
You should see the **Starting Survey** box with a status bar.



You are now ready to measure!



WSRN Reference Map



If you have any questions, please feel free to contact your local Frontier Precision Representative or email our Technical Support Staff at survey_support@Frontierprecision.com