

LandStar8 FAQ Series

NAD27 Texas Zones

More FAQ's like this one are available here: [[LandStar8 FAQ](#)] Date: 9/24/2022
© iGage Mapping Corporation 2024

Filename:LS8_FAQ_TexasNAD27Zones.docx

Download the

nadcon5.nad27.nad83 2011.CGD

file from this web folder:

<https://igage.com/out/LandStarDistribution/HelperFiles/index.htm>

or scan this QRCode on your Android data collector:

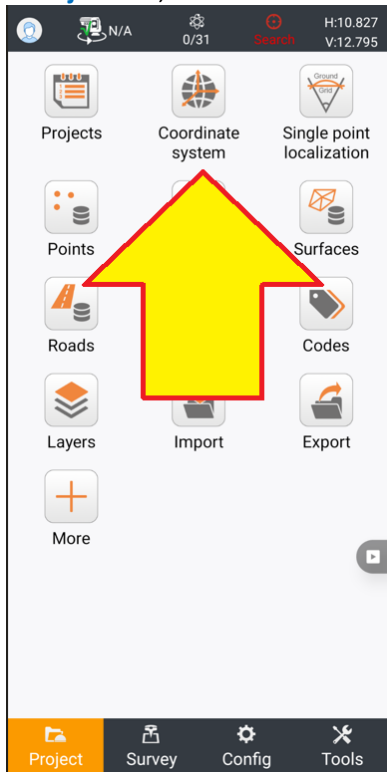


Put the .CDG file in the device folder:

./storage/emulated/0/CHCNAV/Config/Geoid

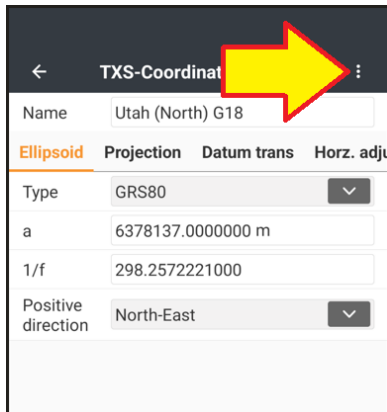
Next, open the LandStar8 project that you would like to utilize the NAD27 projection in.

From the **Project** tab, click on **Coordinate system**:



2

Click on the **3-Dot** button:



Then click on Scan QR code and scan the appropriate code below:

Texas North NAD27



Texas North Central NAD27



Texas Central NAD27



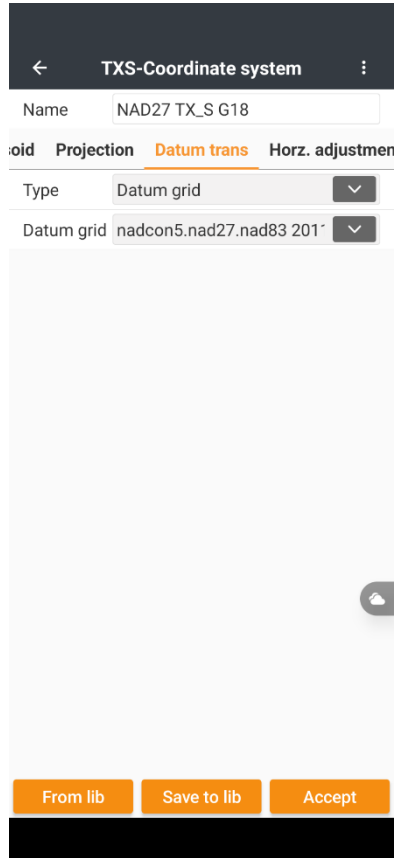
Texas South Central NAD27



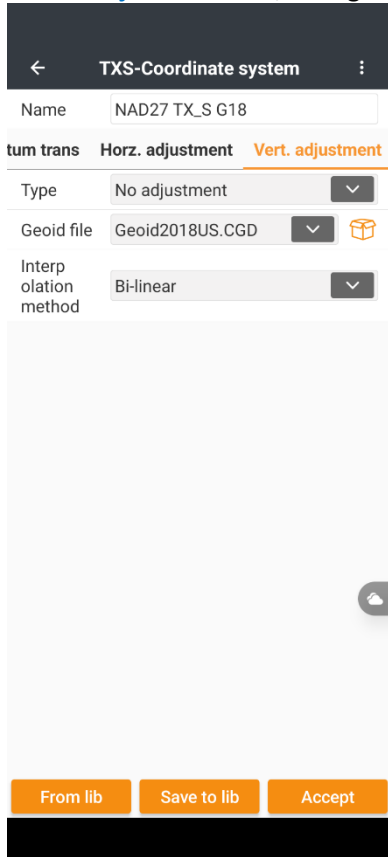
Texas South NAD27



After scanning, go to the **Datum trans** tab, change the **Type** to **Datum grid**, Change the **Datum grid** to **nadcon5.nad24.nad83 2011.CGD**:



Go to the **Vert adjustment** tab, change the **Geoid file** to **Geoid2018US.CDG**:



TXS-Coordinate system

Name: NAD27 TX_S G18

tum trans: Horz. adjustment | **Vert. adjustment**

Type: No adjustment

Geoid file: Geoid2018US.CDG

Interpolation method: Bi-linear

From lib | Save to lib | Accept

5

Click **Accept**.

GEOID Notes

You may be tempted to match an existing job with GEOID12B (or heaven forbid an earlier Geoid version.) If you are using a network base, or a base with a network derived position, the broadcast elevation will be matched to GEOID18.

If your base has an older NAD27 derived elevation and you are retracing an older survey, you may get better matching results with an older geoid. LandStar8 includes Geoid12B in its localization pack. For earlier Geoids, you will need to find the .CGD version and download it to the Geoid folder.