

-  **NAD_1983_HARN to NAD_1927_UTM_Zone_10N Transformation in ArcGIS 10**

Help,

I am trying to convert a shapefile from NAD_1983_HARN to NAD_1927_UTM_Zone10N in ArcGIS 10 using the "Project" tool in ArcToolbox. I did this many times in ArcGIS 9.3, however I can't do it now. When I try to select the geographic transformation from the drop down list and perform the transformation it gives me the error message "Undefined Geographic Transformation" No matter which option I Choose.

Help! Please

 **Re: NAD_1983_HARN to NAD_1927_UTM_Zone_10N Transformation in ArcGIS 10**

Hi - When you get the error of "Undefined Geographic Transformation" that means the tool still requires a second transformation even though it lets you run the tool anyways. I was able to replicate your issue and here is the fix....

- 1) Apply a Geographic Transformation of NAD_1983_HARN_To_WGS_1984_2
- 2) You'll notice the green circle is still present next to the Geographic Transformation input. This means it needs one more Geographic Transformation to complete the conversion.
- 3) Apply a second transformation of NAD_1927_To_WGS_1984_2.
- 4) Run the tool and the shapefile should have projected successfully (it did on mine at least).

Just as an FYI, Geographic Transformations are bidirectional so Arc is smart enough to know that in this case it needs to do a conversion from "WGS 1984" to "NAD 1927" even though the Geographic Transformation says "NAD 1927 to WGS 1984". That threw me for a loop for awhile until I realized what was going on. Let me know if you need anymore help.