

ESRI ArcGIS: [download PRJ and .GTF files](#)

The following 12 files are installed with ArcGIS 10.1. Users with earlier versions of the software can manually install these files kindly provided by Melita Kennedy, ESRI

Zip file Contents -

.PRJ files define the projection in which the data already exists

- ITRF2008 epoch 2005.00
- NAD83(2011) epoch 2010.00
- NAD83(PA11) epoch 2010.00
- NAD83(MA11) epoch 2010.00

.GTF files contain the transformation parameters to move positions between projections

- ITRF2000 to NAD83(2011) epoch 2010.00
- ITRF2008 epoch 2005.00 to NAD83(2011) epoch 2010.00
- ITRF2008 epoch 2005.00 to NAD83(PA11) epoch 2010.00
- ITRF2008 epoch 2005.00 to NAD83(MA11) epoch 2010.00
- WGS84(ITRF00) to NAD83(2011) epoch 2010.00
- WGS84(ITRF08) to NAD83(2011) epoch 2010.00
- WGS84(ITRF08) to NAD83(PA11) epoch 2010.00
- WGS84(ITRF08) to NAD83(MA11) epoch 2010.00

ArcGIS 10.1 saves favorites

in C:\Users<USERNAME>\AppDataRoaming\ESRI\Desktop10.1ArcMap\Coordinate Systems.

First create a favorite for the PA11 and MA11 GCS. so you can see the datum parameters.

Place the 2 below prj files into that directory to view the parameters.

Add state plane or other UTM zones into favorites from the NAD83 (2011) universe so you can see thier parameters.

Then, inside C:\Users\your_id\AppDataRoaming\ESRI\Desktop10.1ArcMap\Coordinate Systems.

Recommend making copies of the favorites to alter from NAD83 2011 to PA11. Use standard naming conventions.

NAD_1983_PA11_UTM_Zone_5N.prj

```
PROJCS["NAD_1983_PA11_UTM_Zone_5N",GEOGCS["GCS_NAD_1983_PA11",DATUM["D_
NAD_1983_PA11",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich
",0.0],UNIT["Degree",0.0174532925199433],METADATA["Pacific
Ocean",98.7,-60.0,-68.0,66.66,0.0,0.0174532925199433,0.0,3172]],PROJECTION["Transverse
_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PAR
AMETER["Central_Meridian",-153.0],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latit
ude_Of_Origin",0.0],UNIT["Meter",1.0]]
```

NAD_1983_PA11_UTM_Zone_4N.prj

```
PROJCS["NAD_1983_PA11_UTM_Zone_4N",GEOGCS["GCS_NAD_1983_PA11",DATUM["D_
NAD_1983_PA11",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich
",0.0],UNIT["Degree",0.0174532925199433],METADATA["Pacific
Ocean",98.7,-60.0,-68.0,66.66,0.0,0.0174532925199433,0.0,3172]],PROJECTION["Transverse
_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PAR
AMETER["Central_Meridian",-159.0],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latit
ude_Of_Origin",0.0],UNIT["Meter",1.0]]
```