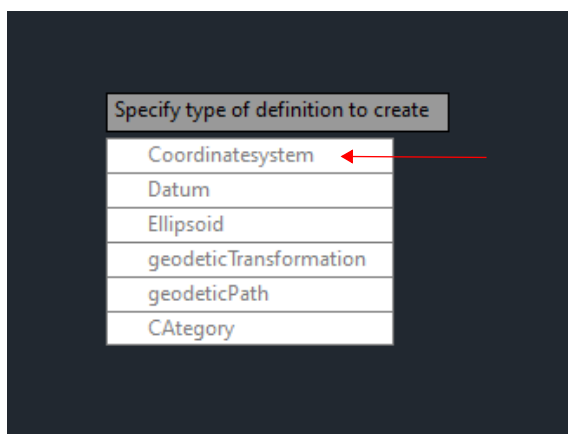


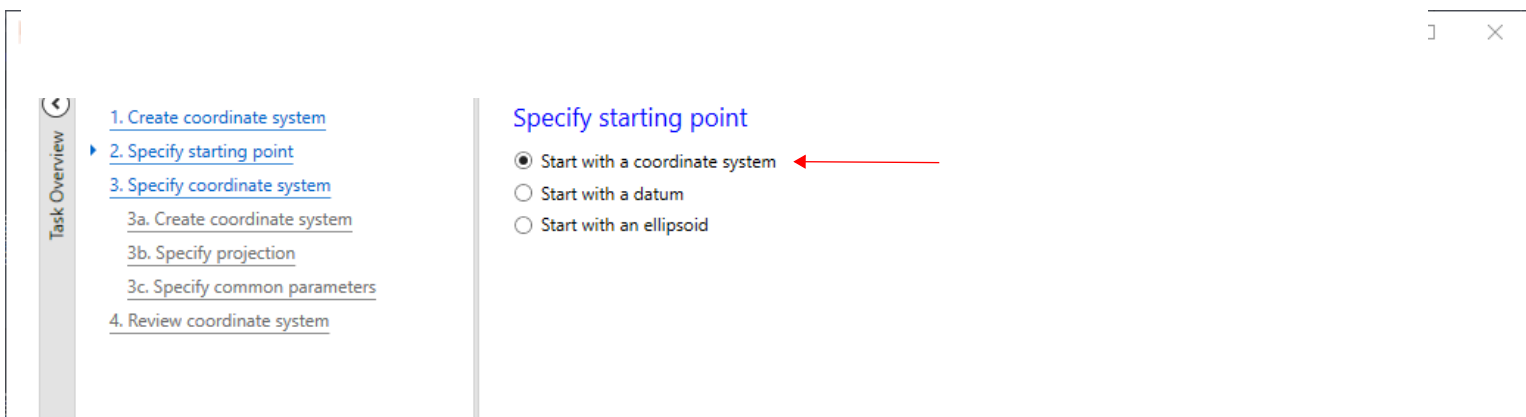
Follow the instructions to create an AutoCad drawing with a local coordinate system for Franklin County, Ohio, based on the contents of this PRJ file

```
PROJCS["Franklin",  
  GEOGCS["GCS_NAD_1983_2011",  
    DATUM["D_North_American_1983",  
      SPHEROID["GRS_1980",6378137.0,298.257222101]],  
    PRIMEM["Greenwich",0.0],  
    UNIT["Degree",0.0174532925199433]],  
  PROJECTION["Transverse_Mercator"],  
  PARAMETER["False_Easting",164041.666666],  
  PARAMETER["False_Northing",0],  
  PARAMETER["Central_Meridian",-83.10],  
  PARAMETER["Scale_Factor",1.000037],  
  PARAMETER["Latitude_Of_Origin",38.4],  
  UNIT["Foot_US",0.3048006096012192]]
```

In AutoCAD Map 3D or Autodesk Civil 3D, type command MAPCSCREATE  
select > CoordinateSystem to start the process.



Choose option to start with a coordinate system



Click Next

Choose option type Projected

Create Coordinate System

Task Overview

1. Create coordinate system

2. Specify starting point

3. Specify coordinate system

3a. Create coordinate system

3b. Specify projection

3c. Specify common parameters

4. Review coordinate system

Specify coordinate system

☒ Create a new coordinate system

Coordinate system type:

Projected

☐ Create a new coordinate system from an existing coordinate system

Coordinate system:

Select

Click Next

Create coordinate system

Code:

Franklin\_

Description:

Franklin Co, Ohio

Source:

ODOT

Unit:

US Survey Foot

Available categories:

USA, New York

USA, North Carolina

USA, North Dakota

USA, Ohio

USA, Oklahoma

Add >

< Remove

Categories associated with this

USA, Ohio

Referenced To

☒ Geodetic

Datum:

NAD83 (NAD 1983, Alaska, Canada,Continental US,Mexico,Central America)

Select

☐ Non-geodetic

Ellipsoid:

Select

☐ None

< Back

Next >

Cancel

Help

## Specify projection

Projection:

Transverse Mercator

Select Transverse Mercator

Parameters

Central meridian:

-83.10

Projection Origin

All latitude and longitude parameters must be specified in degrees. All longitude parameters are relative to Greenwich.

Origin latitude:

38.4

False Origin

False easting:

164041.666666

False northing:

0

Scale reduction:

1.000037

### PROJECTION FILE INFO:

```
PROJCS["Franklin",  
GEOGCS["GCS_NAD_1983_2011",  
DATUM["D_North_American_1983",  
SPHEROID["GRS_1980",6378137.0,298.2572221  
01]],  
PRIMEM["Greenwich",0.0],  
UNIT["Degree",0.0174532925199433]],  
PROJECTION["Transverse_Mercator"],  
PARAMETER["False_Easting",164041.666666],  
PARAMETER["False_Northing",0],  
PARAMETER["Central_Meridian",-83.10],  
PARAMETER["Scale_Factor",1.000037],  
PARAMETER["Latitude_Of_Origin",38.4],  
UNIT["Foot_US",0.3048006096012192]]
```

< Back

Next >

Cancel

Help

Enter Entered Data from Projection File  
and add Min and Max useful range for  
improved performance with online maps



## Specify common parameters

### Scaling

Map (paper) scale:

### Quadrant

X increases to the:

Y increases to the:

### Useful Range: Geographic

All latitude and longitude parameters must be specified in degrees. All longitude parameters are relative to Greenwich.

Minimum longitude:

Minimum latitude:

Maximum longitude:

Maximum latitude:

### Minimum Non-Zero Coordinate Values

Non-zero X:

Non-zero Y:



Useful Range: Cartesian

Review data and if necessary go back for corrections, otherwise click finish

## Coordinate System

Coordinate system type:

Projected Coordinate System

Code:

Franklin\_

Description:

Franklin Co, Ohio

Source:

ODOT

Unit:

US Survey Foot

Categories:

USA, Ohio

Referenced to datum:

NAD83

User-Defined WKT:

PROJCS["Franklin\_",GEOGCS["LL83",DATUM["NAD83",SPHEROID["GRS1980",6378137.000,298.25722210],TOWGS84[0.0000,0.0000,0.0000,"Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Transverse\_Mercator"],PARAMETER["false\_easting",164041.6666666666],PARAMETER["scale\_factor",1.000037000000],PARAMETER["central\_meridian",-83.09999999999999],PARAMETER["latitude\_of\_origin",38.41286555555555]]

## Projection

Projection:

Transverse Mercator

Central meridian

-83.1

Origin latitude:

38.4

False easting:

164041.666666

False northing:

0

< Back

Finish

Cancel

Help

After Finish the newly defined coordinate system may be selected and assigned to the drawing

In AutoCAD Map 3D or Autodesk Civil 3D, type command MAPCSASSIGN

Search for desired coordinate system  
Select and Assign

Coordinate System – Assign

Currently Assigned

Code: Franklin






















Description: Franklin Co, OH

Show

Status: Up to date Code type: Autodesk Category: No filter selected Unit: No filter selected

Search

Franklin

Status	Code	Description	Definition type	Referenced to	Categories	EPSG code	Unit
	Franklin	Franklin Co, OH		 NAD83	USA, Ohio	-	US Survey Foot
	InGCS11-Fayette	NAD83(2011) / InGCS Fayette-Fra...		 NSRS11	USA, Indiana	7295	Meter
	InGCS11-Fayet...	NAD83(2011) / InGCS Fayette-Fra...		 NSRS11	USA, Indiana	7296	US Survey Foot
	InGCS11-Frank...	NAD83(2011) / InGCS Fayette-Fra...		 NSRS11	USA, Indiana	7295	Meter
	InGCS11-Frank...	NAD83(2011) / InGCS Fayette-Fra...		 NSRS11	USA, Indiana	7296	US Survey Foot
	InGCS11-Union	NAD83(2011) / InGCS Fayette-Fra...		 NSRS11	USA, Indiana	7295	Meter
	InGCS11-Unio...	NAD83(2011) / InGCS Fayette-Fra...		 NSRS11	USA, Indiana	7296	US Survey Foot

Assign

View

Close

Help