**Civilian Topographic Map (CTM) product**

CTM is a new map product is designed to allow users to easily create a civilian style topographic map. This document describes the files which comprise this product. These files are intended allow an organization to implement CTM in their Production Mapping environment and as a sample map product for Product on Demand (POD), a web application that allows users to create high quality cartographic products through a light weight web interface.

The schema of CTM is based on the National System for Geospatial Intelligence Feature Data dictionary (NFDD). The NFDD is a comprehensive dictionary and coding scheme for feature types, feature attributes, and attribute values. The NFDD conforms to a subset of ISO 19126, Geographic information - Feature concept dictionaries and registers, and its information schema. Esri has chosen a subset of NFDD feature types and attributes for CTM that are appropriate for those doing topographic mapping in a civilian context.

For more information about the NFDD specification visit - <https://nsgreg.nga.mil/fdd/registers.jsp?register=NFDD> On this page you will see links that allow you to browse or search the NFDD specification for a complete list of feature and attribute types.

Esri has provided documentation to help your organization start using [GitHub](http://htmlpreview.github.io/?https://github.com/Esri/esri.github.com/blob/master/help/esri-getting-to-know-github.html):

CTM GitHub Repro: <https://github.com/Esri/CTM.git>

Begin by downloading the zip file and extract the contents to a local folder. Once extracted several files and folder are laid down in a folder structure to support the CTM framework. Below is a description of this folder structure and the files therein:

|  |  |  |  |
| --- | --- | --- | --- |
| Root Folder | Sub Folder | File | Description |
| CTM |  |  |  |
|  | Fixed 25K |  |  |
|  |  | CoordinateSystemZones.gdb | File Geodatabase that data to be used to determine if the AOI crosses a UTM Zone boundary. |
|  |  | Civilian Topographic Map (CTM).style | Style file with the symbols and representations |
|  |  | CTM\_Production\_PDF.xml | Production PDF specification file |
|  |  | CTM.gdb.zip | CTM Geodatabase (in a zipped file) |
|  |  | CTM\_UTM\_WGS84\_grid.xml | Grid and Graticules XML |
|  |  | CTM25KTemplate.mxd | CTM 25K Template Map Document |
|  |  | Fixed25K\_MapGenerator.MapGenerator.pyt.xml |  |
|  |  | Fixed25K\_MapGenerator.pyt | Map Generator Python toolbox file |
|  |  | Fixed25K\_MapGenerator.pyt.xml |  |
|  |  | CTM\_Product\_Library.gdb.zip | Product Library File Geodatabase (in a zipped file)   * Editing Templates * Visual Specification Rules * Field Configuration Rules * CTM Data Model |
|  |  | CTM\_Spatial\_Checks.zip | Zip file including ArcGIS Data Reviewer Batch jobs for the spatial checks |
|  |  | CTM\_Attribute\_Checks.zip | Zip file including ArcGIS Data Reviewer Batch jobs for the attribute checks |
|  |  | CTM*\_*Generalization.tbx | An ArcGIS Toolbox that contains the generalization tools specific to CTM |